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ENGLAND, 1859**

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LONDON, E.C. 4.

TELEGRAPHIC ADDRESS:
"CHEMICUS, CANNON, LONDON."
[Charged as two words only.]

**Established in
AUSTRALASIA, 1885**

No. 1,992. Vol. XC.

MARCH 30, 1918.

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Issues, 1s. each. Post Free.

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TRADE MARK
A.D. 1715.

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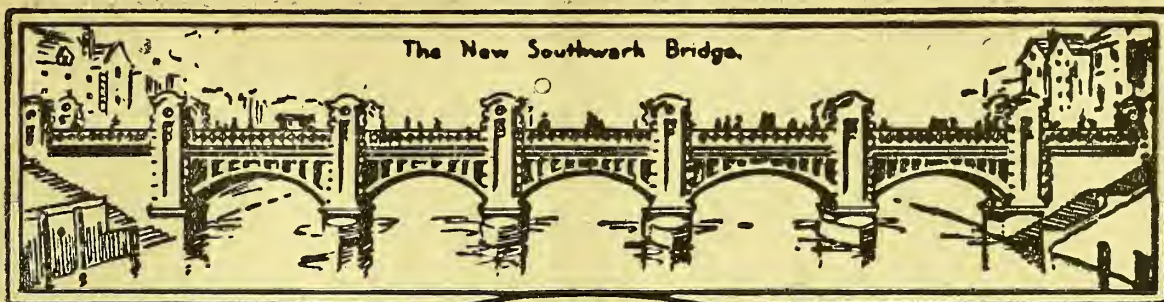
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Cinchonidine and Salts
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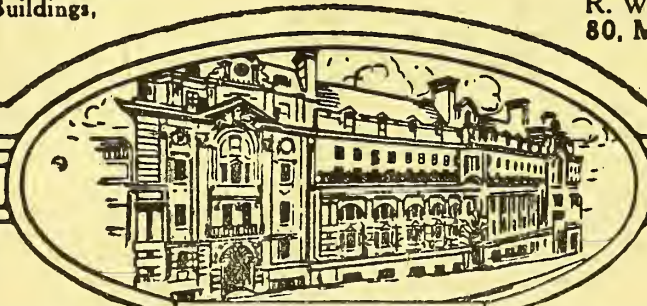
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Maw's Page.

NUMBER 337.

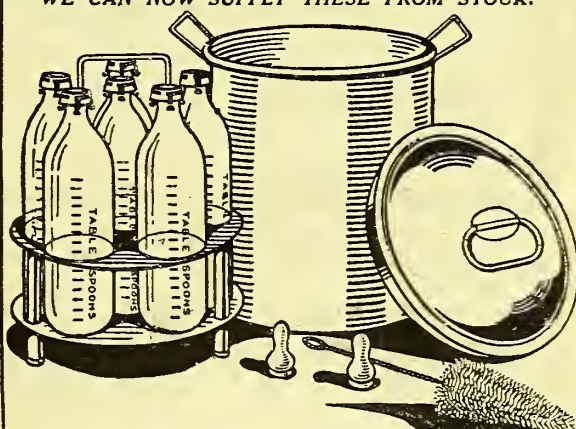
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MAW'S EUGENIC MILK STERILIZER. WE CAN NOW SUPPLY THESE FROM STOCK.



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It is sterling value at 9/9 per dozen, and offers a good profit when sold at 1/3 each.

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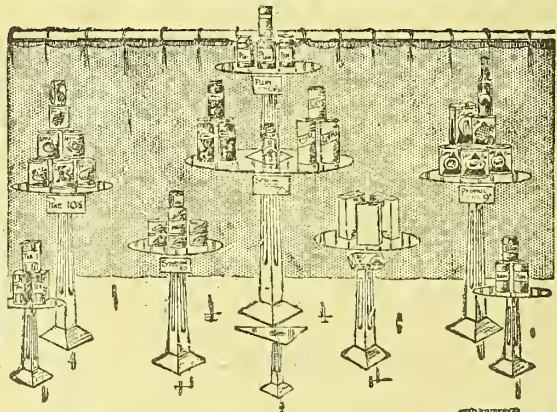


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THE PUBLIC WANT IT

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IT PROFITS EVERYONE.

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5/- Size
12/6 ..

TRADE
PRICE

48/- per
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112/6 ..

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The attention of Chemists is directed to a New Face Powder for which a large and growing sale will be created by advertising and other means. The name of this Powder is

POUDRE FIFINE

Poudre Ffine possesses special Tonic Properties, which benefit the skin, besides being one of the most exquisite Face Powders ever placed on the market. It has the qualities of a Face Cream and the advantages of a Powder.

That it will become immensely popular, the glowing testimonials already received surely indicate.

Poudre Ffine is packed in artistic cardboard boxes for the Boudoir.

Chemists can obtain supplies on the following advantageous terms:—

22/- per Dozen Boxes, or £12 per gross.

Retail price 2/6 per box,

It is sold in four tins:—

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Sole Manufacturers from whom particulars can be obtained:—

RAJEEN PERFUMERY Co.,
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Two of the World's Face Powders.

POPULAR
EVERYWHERE.

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Eyebrow Pencils,
Rouges, Perfumes,
Soaps, etc.,

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Bourjois' Java Powder.

Price 11/6 doz. ; 12 doz. 11/- P.A.T.A. 1/3 per box.



Bourjois' Poudre Manon Lescant.

Price 30/- per doz. P.A.T.A. 3/9 per box.

SOLID FACE POWDER (Poudre Compacte)

BOURJOIS of PARIS is the POWDER HOUSE.

Our Solid Powder, with Puff, No. 65, IS THE BEST.

Made in Seven Tints. Rose, Naturelle, Rachel, Blanche, Rosette Brun, Ocree, and Mauve. 7/7 per doz.

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Reliable Products at Competitive Prices.

Modern Labels that will do your Pharmacy credit.

Your own name and address on your own good goods.

The most extensive and distinctive range of Salescards at your disposal, without charge.

The solution of many of your book-keeping difficulties, because the “Ayrton” service includes practically everything the Pharmacist handles.

The Goods are sent to you Carriage Paid when the order amounts to 50/- and over and your Pharmacy is situate in any part of Great Britain and Ireland.

Ayrton's service embodies the reliability of yesterday with the push, go, and prevision of to-day. It is a service you ought to link up with. Let us quote you for something!

Make a point of looking at Page 15 regularly!

AYRTON, SAUNDERS & CO. L^{TD}
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FIRST-AID CUPBOARDS

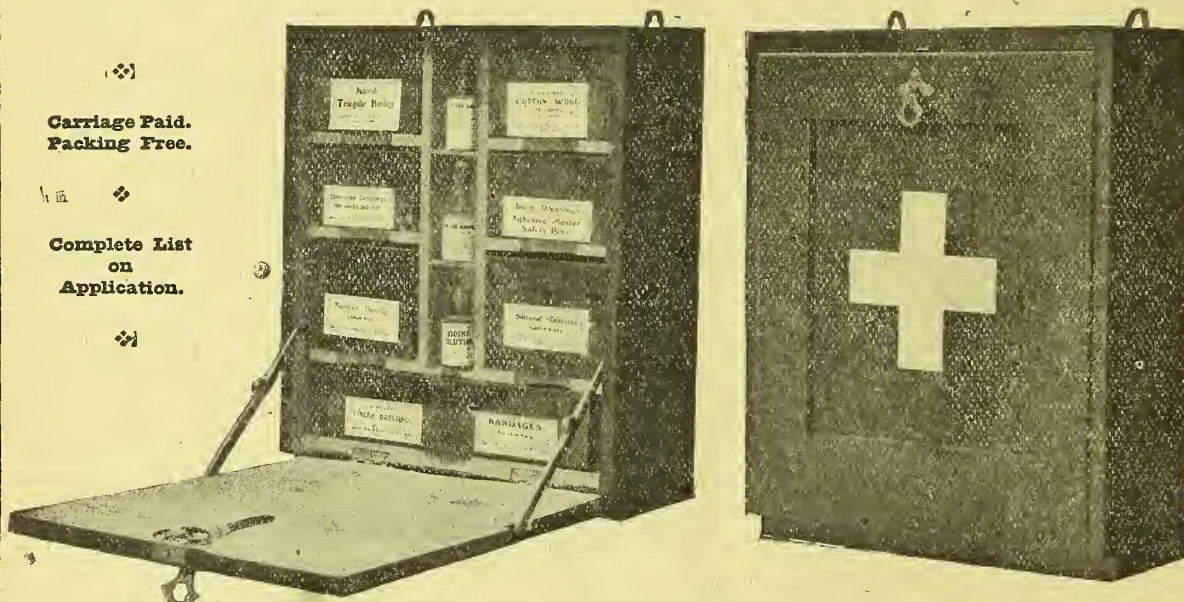
To comply with the Home Office Order in relation to Blast Furnaces, Copper Mills, Iron Mills, Foundries and Metal Works, as defined in Schedule vi. of the Factory and Workshop Act, 1901.

THE GREAT FEATURE OF OUR CUPBOARDS IS ACCESSIBILITY

Every article is distinctly labelled with full directions for use. All the various dressings are packed in separate boxes, each suitably labelled as illustrated.

Carriage Paid.
Packing Free.

Complete List
on
Application.



Nos. 1 and 2.—FOR THE IMMEDIATE TREATMENT OF MINOR INJURIES.

No. 3.—FOR BICHROMATE WORKERS AND FOR USE IN TANNERIES AND DYEWORCS.

CONTENTS, No. 1.

Dimensions, 10×9×5½ in.

1. A copy of the First-Aid Leaflet issued by the Factory Department of the Home Office.
2. 3 dozen small size Sterilized Dressings for Injured Fingers.
3. 1 dozen medium size Sterilized Dressings for Injured Hands or Feet.
4. 1 dozen large size Sterilized Dressings for other injured parts.
5. 1 bottle of Eye Drops.
6. 3 packets Sterilized Cotton Wool.

CONTENTS, No. 2.

Dimensions, 15×12½×5½ in.

1. A copy of the First-Aid Leaflet issued by the Factory Department of the Home Office.
2. 3 dozen small size Sterilized Dressings for Injured Fingers.
3. 1 dozen medium size Sterilized Dressings for Injured Hands or Feet.
4. 1 dozen large size Sterilized Dressings for other injured parts.
5. 2 bottles of Eye Drops.
6. 4 packets Sterilized Cotton Wool.
7. 4 pictorial Triangular Bandages.
8. 4 small Burn Dressings.
9. 3 large Burn Dressings.
10. 15-yard roll Adhesive Plaster
11. 1 box mixed Safety Pins.
12. 1 bottle Iodine Solution.
13. Bandages, assorted sizes.
14. 1 pair Dressing Scissors.
15. 1 box Bicarbonate of Soda.
16. 4 Eye Pads.

CONTENTS, No. 3.

Dimensions, 15×12½×5½ in.

1. A copy of the First-Aid Leaflet issued by the Factory Department of the Home Office.
2. 3 dozen small size Sterilized Dressings for Injured Fingers.
3. 1 dozen medium size Sterilized Dressings for Injured Hands or Feet.
4. 1 dozen large size Sterilized Dressings for other minor injuries.
5. 1 bottle No. 1 Eye Drops.
6. 4 packets Sterilized Cotton Wool.
7. 3 packets Sterilized Lint.
8. 4 pictorial Triangular Bandages.
9. 6 small Burn Dressings.
10. 3 large Burn Dressings.
11. 1 roll Waterproof Plaster.
12. 1 box Safety Pins.
13. 1 bottle Iodine Solution.
14. 2 each 1½ and 3 in. White Bandages.
15. 3 each 1 and 2 in. White Bandages.
16. 1 pair Dressing Scissors.
17. 1 bottle Collodion, and 3 Camel Hair Brushes.
18. 1 pot No. 1 Chrome Eczema Ointment.

PRICE LIST: No. 1—To Chemists, 15/9... No. 2—31/6... No. 3, 37/6 each NET.
 „ 1—Retail, 20/-... „ 2—42/-... „ 3, 50/- „ „

SOUTHALL BROS. & BARCLAY,
Sundries Department, BIRMINGHAM. LTD.

POTTER'S ASTHMA PREPARATIONS

OWING to shortage and increased cost of Ingredients, Boxes and Tins, the following prices will be charged on and after MARCH 25, 1918 :

	RETAIL	WHOLESALE
POTTER'S ASTHMA CURE	1/6	14/- doz.
" " CIGARETTES	1/6	14/- "
" " SMOKING MIXTURE	9d.	7/- "

SLIPS WITH NEW PRICES will be SUPPLIED ON APPLICATION.

POTTER & CLARKE, Ltd. 60-64 Artillery Lane, LONDON, E.
And 24 Luna St., Great Ancoats, Manchester.

Vaseline

Trade Mark Registered

PREPARATIONS.

IN consequence of the Government requiring all the space on steamers leaving New York for England, we have been unable to obtain our usual supplies, although there are large quantities of goods awaiting shipment at our factory, and will be forwarded as soon as accommodation can be secured on outgoing steamers from America.

Unfortunately, owing to enemy action, several large consignments have been entirely lost at sea, hence temporary shortage of some of our preparations. We are, therefore, compelled to ask the indulgence of our customers in the meantime for any delay or inconvenience that may arise under the circumstances stated, which are, of course, beyond our control.

Chesebrough Manufacturing Co.

42 HOLBORN VIADUCT,

LONDON, E.C. 1.

MECHANICAL DENTISTRY

Freeman Bros.
WITHAM - HULL.

Phone—CENTRAL 1290.
NO BRANCHES

**High-Class Work
at Moderate Prices**

Reliable Staff under Personal Supervision.
Punctuality Guaranteed, & Best Materials.

SAM^L LAMBERT & CO.,

14 MINCING LANE, LONDON, E.C.

Importers and Exporters.

First hands for all

Estd. 1870.

CRUDE DRUGS & ESSENTIAL OILS.

A few Specialities :—

ARABIC GUMS, CASCARA SAGRADA, ERGOT, CITRIC ACID, COD LIVER OIL, CREAM OF TARTAR, GLYCERIN, HONEYS, MESSINA ESSENCES, OLIVE OIL, PEPPERMINT OIL, QUININE, QUICK-SILVER, RHUBARB, SARSAPARILLA, SHELLAC, TURPENTINE.

Sole Agents for :

Oils : Lemon, Bergamot, Orange ; Terpeneless Oils : Lemon, Bergamot, Orange.—*Fratelli de Pasquale & Co., Messina.*
 Bay Rum and Bay Oil.—*Bornn, St. Thomas.*
 Essential Oils, Drugs, Chemicals, &c.—*National Aniline & Chemical Co., New York.*



FOR

Powder Puffs

OF EVERY KIND.

SOLPORT BROTHERS

LIMITED,

Wholesale and Export Manufacturers of
 Druggists' Sundries and Toilet Accessories.

184 to 190 GOSWELL ROAD
 LONDON, E.C.1.

OVER 100 % PROFIT
 ENSURED & PROTECTED (F.A.T.A.)
 for sellers of

Laurence's Hair Dyes

One solution, nine shades.

A first-class article with an excellent demand, created entirely on its own merits, and carrying a first-class profit.

Size.	Minimum retail.	Minimum wholesale.	
1/-	1/-	7/6	} per doz. less 5 % discount
1/6	1/6	9/-	
2/6	2/3	15/-	
5/6	3/3	21/-	

SPECIAL BONUS.

Buyers of 3 doz. bottles receive 3 bottles gratis (may be assorted and any size).

Do. 6 doz. do. 3 bottles gratis.
 Do. 12 doz. do. 13 bottles gratis.

Equivalent in the case of the size in most general demand, viz. 1/3 size to 4/6, 12/- and 27/- respectively.

SOLE PROPRIETORS—

C. R. HARKER, STAGG & MORGAN,
 LTD.

DEVON WHARF,

Emmott Street, Mile End, London, E.1.



MANUFACTURERS
OF
Fine Chemicals
Perfumery Products
ETC.
AND
DISTILLERS OF
ESSENTIAL OILS

desirous of being represented for the sale of their goods in the U.K. should communicate with

W. H. HOBBS & CO., LTD
TRINITY PLACE - - LONDON, E.C.

Telegrams: "GINGERADE, FEN, LONDON."
Telephones: AVENUE 666 and 1544.

LIQUID PARAFFIN

B.P.

All Gravities.

Correct Viscosity.

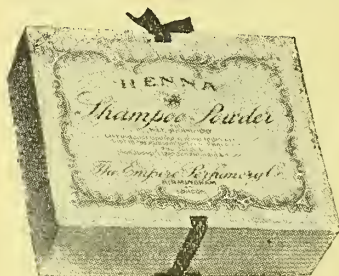
PETROLEUM JELLIES
(Yellow & White, B.P.)
TECHNICAL PETROLEUM
JELLIES.



WHITE AND HALF-WHITE
OILS.
PARAFFIN WAX.
BLOOMLESS OILS.

THE "EMPIRE"

HENNA SHAMPOOS



The box of 7.

Prices: Loose, 13/- per gross packets.
Box of 7, 8/- per doz.

Special Quotation to the Wholesale and Export trade.

THE EMPIRE PERFUMERY CO.,
CUXSON, GERRARD & CO., Ltd., Proprietors,
Oldbury, England.

are made with a
Potash Soap base,
therefore the hair
is left very soft
and wavy. The
perfume is so de-
lightful that repeat
business is assured.



The Sales-Compelling Showcard.

Lead from Strength!



No Apology

is necessary for quoting the above well-known Bridge maxim because there is much in common between Scientific Bridge and Scientific Business. In both there is a flavour—a zest—a *joie de vivre*—for the keen player which is denied the unversed or apathetic participant.

The game is never the same; the campaign not always to the lucky; the result seldom foregone, and in both philosophy has its place.

Only in the one have you—to an extent—the choice of cards, and believing we hold a strong hand we invite our fellow-players to participate in these.

AN APOLOGY

TO OUR MANY FRIENDS.

WE offer our regrets for the unavoidable delays in the execution of orders, due to circumstances over which we have no control, but can assure our Customers that everything possible is being done to give equal and regular distribution.

D. & W. GIBBS, Ltd., CITY SOAP WORKS, LONDON, E.1.

LANOLINE

HYDROUS AND ANHYDROUS, P.B.

NOTHING FINER ON THE MARKET THAN "EMPIRE" BRAND. *Samples & Quotations upon Application.*

THE BRITISH LANOLINE CO., LEICESTER.

S.V.M. **RANDALL & SON,**
Limited;
 Wholesale and
 Export Druggists,
SOUTHAMPTON
 Best Quality Only.

ROBINSONS OF CHESTERFIELD for Cardboard Boxes



ASHWOOD DALE.

THIS Dale is well-known to all visitors to Buxton. It is a fine gorge, through which the infant Wye flows, with noble crags and glorious surprise views. Perhaps the finest is the one sketched by our Artist, showing the Dale as seen from the "Lover's Leap" Rock.

WHILST WE ARE GLAD WE HAVE BEEN ABLE TO KEEP OUR OLD CUSTOMERS SUPPLIED IN SPITE OF THE ACUTE SHORTAGE OF CARDBOARD AND PAPER, WE ARE SORRY IT WILL NOT BE POSSIBLE UNTIL BRIGHTER TIMES COME ROUND TO PLACE OUR SERVICES FREELY AT THE DISPOSAL OF NEW CUSTOMERS.

ROBINSON & SONS, LTD.
MANUFACTURERS OF ALL
KINDS OF CARDBOARD BOXES
CHESTERFIELD & LONDON

BEETHAM'S "LAROLA"

(Registered)

Is the Skin Tonic for 1918.

*It is effective.**It is attractive.**It is price-protected.**It is well-advertised.**It sells readily.**It bears a good profit.*

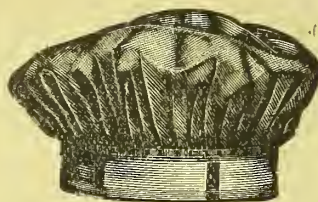
HAVE YOU OUR SHOWCARD ?

THIS IS WHAT THE "C. & D." SAYS OF IT:

BEETHAM'S NEW SHOWCARD.—One of the prettiest lithographic productions which have come to us lately is the Larola beauty here depicted. The card measures 24 in. by 18 in., and is all roses, even the word "Larola" being formed from prickly rose-stems. The fair rose-gatherer has rosy cheeks, and she and the setting make so bright a picture that no pharmacy will be complete without it. Copies can be obtained from Messrs. M. Beetham & Son, Cheltenham, the originators of Glycerine-and-Cucumber and Larola.

This handsome Showcard, in 14 colours (size 24 by 17) can be had by any chemist who will give it a good place in his pharmacy.

M. BEETHAM & SON, CHELTENHAM.



**AS MANUFACTURERS
WE OFFER**

THE LATEST PATTERNS IN
SOLID RUBBER OR PROOF

BATHING CAPS

ALL BRITISH.

F. SCHUTZE & CO., Ltd.
Caledonian Market, London, N.

GÉRAUDEL'S PASTILLES

THE GOOD OLD FRENCH PRODUCT.

The most popular and best selling in the world.



THESE PASTILLES OF PURIFIED PINE
TAR AFFORD INSTANT RELIEF TO

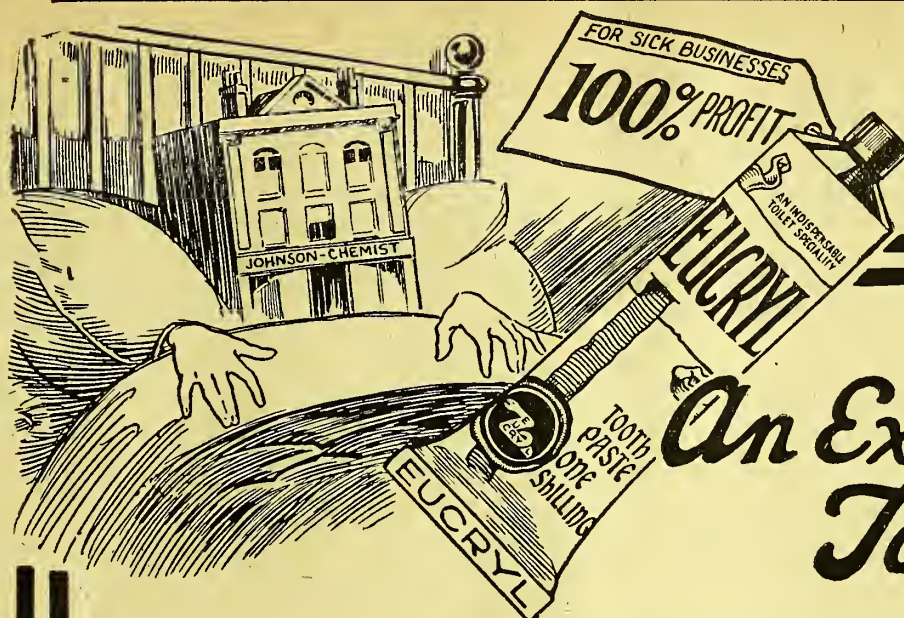
**Sore Throat, Colds, Coughs,
Bronchial Affections, &c.**

MINIMUM RETAIL PRICE, 1/3 PER BOX.

Prepared by A. GÉRAUDEL, Ste. Ménéhould, Marne, France.

AGENTS:

Gilbert, Kimpton & Co., Peninsular House, Monument St., London, E.C.



An Excellent Tonic!

Does your business lack vitality?

Does it need reviving—then why not sell lines that are *real* profit producers. Here, then, is your opportunity to stock and sell

EUCRYL TOOTH PASTE

the paste with the delicate and popular flavour, which the public like, and therefore repeat orders follow as a matter of course. Remember, 100% profit is your reward on the sale of this quick-selling line—a profit that means something tangible—so fill in attached Coupon at once.

EUCRYL LIMITED
61-63 LANT STREET
SOUTHWARK, S.E. 1.

COUPON

To EUCRYL Ltd.,
Southwark, S.E. 1.

Please send me 3 doz. 1/-
Tubes Eucryl Tooth Paste at
8/- doz., with 1½ dozen as bonus for
prominent display and cash with order,
for which I enclose cheque 24/-.

Name

Address

POST THIS AT ONCE! →

"C. & D.," March 30.

DIADEM

Vanishing Cream

a cream of rare purity and charm, put up in novel white globes which have an irresistible appeal and packed in dainty boxes in Robartes' attractive style. Handsome profits for you in selling.



Face Powder

possessed of the elusive fragrance of Diadem Cream, adheres readily to the skin. Made in Blanche, Naturelle, Rachel, and Rosetints. Packed in large artistic boxes, in the distinctive Robartes style and colouring. A sure seller.

TRADE TERMS



Diadem Cream

Diadem Powder

Advertised and Minimum
Retail Price 3/9
Trade per doz. 30/-
Advertised and Minimum
Retail Price 2/6
Trade per doz. 20/-

Window and Counter Materials
free on request.

Write for particulars.

SPECIAL NOTICE AND OFFER TO THE TRADE.

Each jar of Diadem Cream contains the following notice:—

"On returning 6 of these empty Diadem jars to any Chemist or Hairdresser in the United Kingdom, a new 3/9 size jar will be given you free in exchange."

Upon any of our trade customers therefore returning to us 6 of these empty jars, carriage paid, we will immediately forward in return, post free, 2 (3/9 size) jars of Diadem Vanishing Cream.

ROBARTES, LTD., 128 Jermyn St., London, S.W.1

DECOLTENE
The liquid hair remover

The intelligent depilatory. Simple, safe and effective. Pleasant and harmless. Invaluable during the décolleté vogue. Daintily packed.

Dinkie
The Dainty Deodorant

An attractive line that enjoys good sales. A greaseless Cream that takes the odour out of perspiration. Daintily packed in opal jars.

TRADE TERMS. DEC'L'TENE. Advertised 3/9 and min. Retail price Trade 30/- per doz. DINKIE. Advertised and min. Retail price Trade 20/- per doz. Particulars and Show-cards on request.

CENT. PER CENT. PROFIT.

Used Safety Razor Blades

GROUND, SET AND SHARPENED, GOOD AS NEW. ON AUTOMATIC ELECTRIC & MAGNETIC MACHINES.

SATISFACTION GUARANTEED.

Send for Showcards, supplied post free.

All razor users readily catch on to the proposition to save and re-use their old blades.

6d. PER DOZEN.

RETAIL 1/- PER DOZEN.

The Blade Sharpening Co., Lim.

35 CAMOMILE STREET, LONDON, E.C.

Trade Mark—SILWYR, LONDON.



Size of Brush—6½ by 1½ in.

60 doz., 9/6 per doz.; 30 doz., 10/6 per doz.

This price includes a Celluloid Tablet, 5½ in. by 1 in., printed in two colours, fixed in the back of the Brush; your own sketch or wording.

This Cloth Brush is made of pure bristles, and is of best English manufacture. Quotations for larger quantities obtainable of—

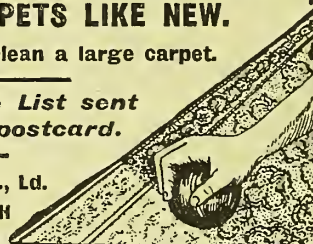
M. NEUHAFFER & LEVI, Brush Manufacturers,
11 Frie Street, London, E.C. 2.

CHIVERS' CARPET SOAP CLEANS CARPETS LIKE NEW.

One Tablet will clean a large carpet.

Wholesale Price List sent on receipt of a postcard.

F. CHIVERS & CO., Ltd.
67 Albany Works, BATH



SAVE 3/- PER GALLON
BY BUYING
GUARANTEED GENUINE
NEWFOUNDLAND NON-FREEZING
MEDICINAL COD LIVER OIL
OF NEW SEASON'S MAKE.

Highest possible quality in smell, taste and colour, comparing most favourably with the finest Norwegian. Manufactured from the finest fresh Cod Liver on same day as fish caught.

WHOLESALE ONLY.

Kindly write for sample to

JOB BROS., Manufacturers, Tower Building, LIVERPOOL.

Telegraphic Address: "JOB, LIVERPOOL."

Tel. 1039 CENTRAL.

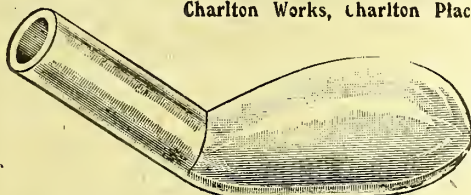
And of ST. JOHN'S, N.F.

Established 1780.

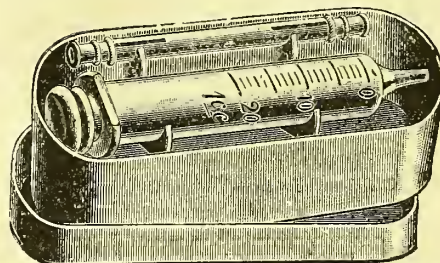
We are making Lamp-blown Glassware, such as Ampoules, Hypodermic Tubes, &c., in England. Let us have your inquiries. You will find our prices competitive and our deliveries smart. Besides we also have varied stocks of Glass Bottles. *Send us your inquiries and ask for our Stock List.*

JULES LANG & SON

Charlton Works, Charlton Place, ISLINGTON,
 LO DON, N.



Sole
 Proprietor:
**FERNAND
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Telegrams: "Assorted, Nordo, London." Telephones: North 1541-5.

J. H. HAYWOOD, Ltd. Surgical and Athletic Appliance Manufacturers,
 Castle Gate, NOTTINGHAM.

Established 1833.



SPECIALITIES FOR SUMMER.

ELASTIC HOSIERY WITH OR WITHOUT SEAMS, SUITABLE FOR SUMMER WEAR. TRUSSES, SUSPENDERS, LADIES' & GENTS' BELTS MADE FROM POROUS MATERIALS. ELASTIC & LEATHER WRISTLETS, ARM-PIECES & ELBOW SUPPORTS, FOR CRICKET, TENNIS, GOLF & BOATING GOODS FOR TOILET & SEASIDE TRADE, WASHING GLOVES, BATHING CAPS, WATER-WINGS.

INDIA-RUBBER APPLIANCES & DRUGGISTS' SUNDRIES.



LOWEST QUOTATIONS AND SAMPLES ON REQUEST.

TOOGOOD'S SHAMPOO POWDERS



EGYPTIAN HENNA SHAMPOO POWDER.

In boxes containing 7 Powders.
Superior Quality and Delicately
Perfumed,
10/6 per dozen boxes.



PINE, 7/6 doz.
PINE & HENNA,
8/9 doz.



PINE.

In Envelopes, 7 in box,
7/6 per dozen boxes.

PINE & HENNA.

In Envelopes, 7 in box,
8/9 per dozen boxes.

Customer's name free on 3 dozen boxes or bottles.

MANUFACTURED ONLY BY—

WILLIAM TOOGOOD, Ltd., 77 Southwark St., London, S.E. 1.

LOFTHOUSE & SALTMER, Ltd.

Wholesale & Export Drug Merchants,
Manufacturing Chemists

HULL.

INVITE the Trade to take up the following valuable
P.A.T.A. Protected Lines, bearing a very large
Protected Retail Profit, which sell freely and are
well known and valued by the Public in many parts
of the country.

	P.A.T.A.	Protected Retail Price.	Dozen Net.
*LOSALL'S SALT (well advertised), tins	9d.		6/6
" " " " " "	1/6		13/-
" " " " " bottles in cartons	2/-		16/-

*Losall's Salt sells so well, surely it
must pay Pharmacists to stock such
a big profit-bearing protected line.

LOSALL'S COMPOUND SULPHUR SOAP.

A valuable emollient medicated skin soap,
especially suitable for use in Eczema.
3 Tablets in a box @ 8d.

Box. Doz.
2/- 18/-

BRITISH NOW



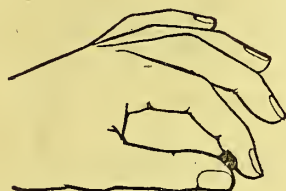
Send for
Price List and
Trading Terms.

ODOL
Chemical Works,
BERKHAMSTED.

G.V. & S.—1

The "PULVERETTE"

Patent Powder Pills.

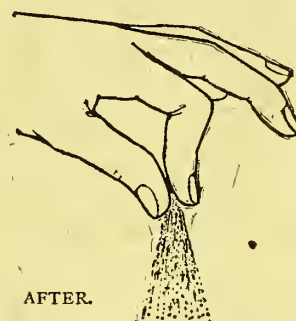


BEFORE.

A

CONTRAST

BETWEEN



AFTER.

Compressed
PILLS

and
TABLETS

Moulded
PULVERETTES

Ingredients massed to a stiff paste, rolled and rounded; when dry as hard as iron.

Result: 235 out of 324 pills administered found in the faeces.

B.M.J., 1913.

Ingredients mixed, and with the addition of talc and a lubricant subjected to intense pressure.

Result: Disintegration slow and irregular, often impossible; ineffective or cumulative, with consequent irritation and toxic dosage.

Ingredients thoroughly mixed *without any addition whatever*; enclosed in a soluble, easily friable chocolate shell; *uncompressed*.

Result: Immediate disintegration, regular absorption, certain and complete therapeutic action.

Six Things Worth Remembering:

1. PULVERETTES are MOULDED, not COMPRESSED; are made in any shape, size or colour.
2. Only the finest drugs are to be found so prepared.
3. Private formulæ are manufactured in quantities of 2000 or more.
4. PULVERETTES succeed in regular action where tablets and pills fail.
5. Prices are approximately equal to pills and tablets.
6. All medicaments possible to pills are obtainable as PULVERETTES.

Send for Samples and Prices to the Patentees:

OPPENHEIMER, SON & CO., LTD.

179 QUEEN VICTORIA STREET, LONDON, E.C. 4.

FINEST **BLACKS** AND
COLOURS
 (ALL SHADES)

**CARAMEL
 COLOUR**

IN POWDER.

~~~~~

Guaranteed  
 Harmless.

~~~~~

50

times the concentration
 of Liquid Caramel.

Sample on application.

Soluble in

WATER	SPIRIT
OIL	TURPS
WAX	BENZOLINE
GLYCERINE	NAPHTHA
PETROLEUM	CREOSOTE

and

IN FACT—ANYTHING.

BLACK FOR INK.
MARKING INK.

ETERNITE

A combined Stain and
 Preservative for Wood.

HOUSEHOLD DYES.

RHEUMSOL BATH SALTS

in **1/-** Tins.

WILLIAMS BROS. & CO.

Hounslow, Middlesex.



**SOME
POWERFUL
ENEMY POSITIONS
STORMED BY
BURROUGHS WELLCOME & Co.**

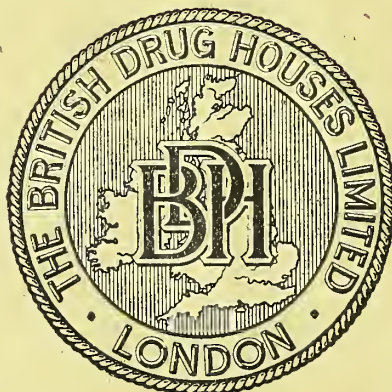
Salvarsan Neosalvarsan
Aspirin Urotropine
Phenacetin Eucaïne
German Salicylates
German Alkaloids
German Photo. Chemicals


**BURROUGHS
WELLCOME & Co.
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BUENOS AIRES	BOMBAY

Telegrams: "TETRADOME, TELEW, LONDON"
(2 words).

Telephone: LONDON WALL 6123
(6 lines).



REGISTERED TRADE MARK.

CHEMICAL WORKS:
Wharf Road, N.

REGISTERED OFFICES
and address for all communications:
22-30 Graham Street,
City Road, N.



A Weekly Journal of Pharmacy and of the Chemical and Drug Trades.
ESTABLISHED 1859.

The CHEMIST AND DRUGGIST is in circulation and reputation the leading journal addressing the Chemical and Drug trades in the British Empire and other countries in the Old and New Worlds. It is the official Journal of many Chemists' Societies in Australia, Ireland, New Zealand, South Africa, and the West Indies.

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Twelve Shillings and Sixpence a year in advance, post free to any part of the world, including a copy of *The Chemist and Druggist Diary* next published. Subscriptions may begin any month. Single Copy, 6d.; Summer or Winter Number, 1s.; *Diary* 3s. 6d. Postal orders and cheques to be crossed "Martin's Bank (Limited)."

Prix de l'abonnement annuel: le journal une fois par semaine, et l'agenda une fois par an, 12s. 6d., franco.

Подписная цена на ежегодный журнал с приложением Годового Дневника—12 шиллингов 6 пенсов на год с пересылкой.

Precio de suscripción anual: el periódico una vez por semana, y el agenda una vez por año 12 ch. y 6 peniques, franco.

Terms for advertising in THE CHEMIST AND DRUGGIST can be obtained on application to the Publisher at the

Head Office: 42 CANNON STREET, LONDON, E.C.4.

Telegrams: "Chemicus. Cannon, London." Telephone 3617 Central (three lines).

Branches: MELBOURNE AND SYDNEY, AUST.

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Military Tribunals' Decisions.

SINCE OUR LAST REPORT the following decisions have been notified:

GILLINGHAM (KENT).—Mr. R. S. Hardie, chemist and druggist, was exempted for three months.

HEMEL Hempstead.—Mr. T. H. Dean, chemist and druggist, was instructed to find a substitute for his assistant, Mr. S. W. Kemp, in two months.

HEREFORD.—Mr. G. C. Davies, apprentice to Mr. George Donaldson, Ph.C., was exempted to August 15.

OXFORD.—Conditional exemption was varied to three months in the case of Mr. Clement J. V. Bellamy, Ph.C., 118 High Street, and to two months in the case of Mr. F. C. J. Wicks, chemist and druggist, manager for the Oxford Drug Co., Ltd., at 146 Cowley Road.

SHOREDITCH.—Mr. W. Horton, assistant with A. P. Barnard & Son, chemists, 309 Hackney Road, was exempted for four months.—Mr. Arthur Blockley, foreman tablet-maker with Warrick Bros., Ltd., Nile Street, was exempted for six months, the Chairman remarking that tablet-making was a useful and necessary business at the present time.

NEARLY every kind of glass (especially if containing manganese) is liable to a change of colour by the action of sunlight, but the glass can be restored to its original colour by heat.

European War News.

Import and Export Notices.

AUSTRALIA.—In order to permit of the retention in Great Britain of foodstuffs, the Australian Commonwealth has decided to prohibit the importation of proprietary foods from the United Kingdom. For some time the Director of Munitions in Melbourne has granted shipping permits in connection with food preparations providing the manufacturers satisfied the War Trade Department that there was a surplus in the country of export. The Ministry of Food in London recently cabled to Australia asking whether there would be any objection to the general prohibition of the export of foodstuffs to that country. The Commonwealth Government has replied that it is unwilling to press for the exportation of such commodities at the present time, and endeavours would be made to meet Australian requirements locally.

ITALY.—In view of the existing shortage of tonnage it has become necessary to exercise closer supervision over shipments to Italy in order to ensure the most advantageous use of the space available. It has therefore been decided, after consultation with the Ministry of Shipping, to centralise such shipments in the Italian Government Commission, Empire House, Kingsway, and all persons having consignments ready for shipment are requested to send full particulars to the Shipping Department (Mediterranean) of the Italian Government Commission at the above address. Applications should include the following particulars: (1) No. of C.I.R. Sanction or W.T.D. Licence; (2) particulars of goods; (3) weight and measurement; (4) any circumstances which make special consideration advisable. On receipt of these particulars endeavours will be made to provide space, and, should this be found possible, the necessary instructions will be given for shipment.

UNITED KINGDOM.—The importation into the United Kingdom of the following goods has been prohibited, except under Board of Trade licence: Molasses and invert sugar and all other sugars and extracts from sugar which cannot be completely tested by the polariscope, and on which Customs duty is not otherwise charged. Weighing-machines, scales, and balances of all descriptions not otherwise prohibited.

UNITED STATES.—The Consul-General in London for the United States announces that instructions have been received at the Consulate-General from the Secretary of State at Washington in reference to the shipment of goods to be imported into the United States. So far as the United States Government are concerned goods may be accepted for shipment without proofs of the issuance of import licences, and where an import licence has not been issued in advance of shipment it will be granted upon arrival of the cargo in the United States, if no question of enemy trading is involved.

Packages for Sheep-dip.

The Ministry of Munitions, Priority Department, in conjunction with the Agricultural Machinery Department, as the result of an interview with a deputation of sheep-dip manufacturers, has made arrangements whereby the amount of metal which can be allotted for sheep-dip packages shall be shared among manufacturers in proportion to their requirements. For this purpose an independent rationer has been appointed, and it is necessary that sheep-dip manufacturers should put in applications at once for their requirements. Particulars of the arrangement and forms of application can be obtained from McDougall Brothers, Ltd., 66-68 Port Street, Manchester.

Personalia.

LIEUTENANT BARNES, East Kent Regiment (Bufs), son of Mr. W. J. Barnes, J.P., chemist and druggist, Dover, has been wounded for the second time.

PRIVATE F. E. TALBOT, R.A.M.C., who has been a prisoner of war since last July, is home again, having been exchanged. In civil life he was an assistant with Mr. F. H. Ruoff, chemist and druggist, Kingston Cross, Portsmouth.

CORPORAL HAROLD MOORE, Military Mounted Police, has been awarded the Belgian Croix de Guerre. Corporal Moore, who has been on active service since the outbreak of war, was previously on the staff of Brotherton & Co., Ltd., manufacturing chemists, Leeds.

SECOND-LIEUTENANT ROBERT COCKS, Royal Irish Rifles, has been severely gassed in the present German offensive, and is in hospital in France. Second-Lieutenant Cocks is the stepson of Mr. T. A. Robb, Ph.C., Lisburn Road, Belfast, and was with him as assistant till he enlisted in 1914. He was wounded in July 1916, and received his commission shortly afterwards.

Cocoa Orders.

The Raw Cocoa (Prices) Order provides that no raw cocoa may be sold after April 2 at a price exceeding the fair value, which is to be ascertained by Committees of brokers appointed by the Food Controller in London and Liverpool. The Food Controller has fixed the top price for the best grade of each variety of raw cocoa, and this list of prices, which may be modified from time to time, has been communicated to the trade. The Committees of brokers will fix the price of the lower grades in accordance with the usual trade customs as to grading. All contracts for the sale of raw cocoa must be in a form approved by the Food Controller, who has approved the customary London and Liverpool contracts. No raw cocoa may be sold unless it has been graded, and persons desirous of selling raw cocoa should apply to the Chairman, Cocoa Grading Committee, at 30 Mincing Lane, London, E.C. 3, or c/o The Liverpool General Brokers' Association 13 Rumbold Street, Liverpool.

The Cocoa Powder Order provides after April 3 for the making of two grades of cocoa-powder—Grade A, which corresponds to the ordinary proprietary brands, and Grade B, which corresponds to the ordinary loose powder. At least 40 per cent. of the cocoa-powder sold by a manufacturer in any month must be Grade B powder. The maximum wholesale price for Grade A powder is fixed at 2s. 8d. per lb., and for Grade B powder at 196s. per cwt. if sold loose, or 233s. 4d. per cwt. if sold packed in cartons. The maximum retail price for Grade A powder is fixed at 3s. 2d. per lb., and for Grade B powder at 2s. 2d. per lb. if sold loose, or 2s. 6d. per lb. if sold packed in cartons. After April 22 no cocoa-powder except Grade A powder may be sold at prices exceeding those applicable to Grade B powder. After April 8 no cocoa-shell or any mixture other than chocolate containing more than 5 per cent. cocoa-shell may be sold by retail at a price exceeding 6d. per lb.

By the Cocoa-butter (Provisional Prices) Order the maximum wholesale price of cocoa-butter is, after March 25, fixed at 1s. 6d. per lb., when the sale is by the manufacturer, and at 1s. 7d. per lb. otherwise. The wholesale prices are fixed on the basis that the ordinary trade customs as to delivery, packing, and payment apply to the transaction. The retail price is fixed at 2s. per lb. after April 2.

Miscellaneous.

BELGIAN DOCTORS' AND PHARMACISTS' RELIEF FUND.—During the week ended March 25 a donation to the Fund of 100l. was received from Parke, Davis & Co.

SALE OF MEAT EXTRACTS.—The Ministry of Food has issued a statement under the food-rationing scheme that no coupons are required for the purchase of "meat extract, meat essence, soup cubes, tinned soups, and canned goods containing less than 5 per cent. of meat."

FLOUR LICENCES.—Under the Flour and Bread (Prices) Order, 1917 (see *C. & D.*, September 22, 1917), the use of flour in the manufacture of infants' food, baking-powders, custard-powders, etc., was restricted by making the employment of flour in these articles a "precluded purpose." Manufacturers who desire to use flour for these purposes named are required to pay for the licences. The payment was formerly 18s. per 280 lb., but on March 26 this was raised to 36s. per 280 lb.

SUNFLOWER-SEED.—A considerable quantity of a good variety of sunflower-seed has recently been released at a price which enables retail seedsmen to sell at 3d. per oz., 9d. per 4 oz., or 1s. 3d. per 8 oz., and the Food Production Department, 72 Victoria Street, London, S.W. 1, will supply retail seedsmen with the names of the wholesale firms from whom they can obtain supplies. The seeds of the giant strains of sunflower are rich in oil, and are a valuable food for poultry, and it is very desirable that they should be cultivated on vacant land which is not suitable for food crops.

VENEREAL DISEASE.—The following regulation was added on March 22 to the Defence of the Realm Regulations: "No woman who is suffering from venereal disease in a communicable form shall have sexual intercourse with any member of his Majesty's Forces or solicit or invite any member of his Majesty's Forces to have sexual intercourse with her. If any woman acts in contravention of this regulation she shall be guilty of a summary offence against these regulations. A woman charged with an offence under this regulation shall, if she so requires, be remanded for a period (not less than a week) for the purpose of such medical examination as may be requisite for ascertaining whether she is suffering from such a disease as aforesaid. The defendant shall be informed of her right to be remanded as aforesaid, and that she may be examined by her own doctor or by the medical officer of the prison. In this regulation the expression 'venereal disease' means syphilis, gonorrhoea, or soft chancre."

Westminster Wisdom.

By the "C. & D." Parliamentary Representative.

PARLIAMENT ADJOURNED.

The adjournment for the Easter holidays took place on March 21. The House of Commons is to reassemble on April 9.

LINSEED OIL.

Sir H. Nield returned on March 21 to the question of the supply of linseed oil for manufacturing veterinary medicines (see *C. & D.*, March 23, p. 45). There has been delay in delivering the linseed oil, Mr. Clynes confessed, but arrangements have been made for the issuing of priority certificates by the Linseed Oil Consumers' Association.

AMBER SIZE AND CHEMICAL CO.

Questions have been asked in the House of Commons regarding Kurt Ludwig Wilhelm Bruckmann, whose shares in the Amber Size and Chemical Co., Ltd., have been transferred to Mr. F. W. Chambers, a director of W. H. Muller & Co. (London), Ltd. The reply on behalf of the Board of Trade was that, as a result of inquiries, it was decided that the Amber Size and Chemical Co., Ltd., was not a business to which Section 1 of the Trading with the Enemy Amendment Act, 1916, applies.

MEDICAL TREATMENT OF DEPENDANTS.

Mr. Stanton, in the House of Commons on March 20, asked the Prime Minister if the Government will consider the advisability of immediate State provision of medicine, drugs, appliances, and skilled treatment to meet the necessity of soldiers' and sailors' dependants, widows and orphans due to war service.

Mr. Pratt (Lord of the Treasury), replying on behalf of the Prime Minister, referred the member to an answer given on the previous day. [This reply was that widows and wives of soldiers are entitled to medical attendance and treatment if they are employed contributors under the National Health Insurance Acts, and where such or similar entitlement does not exist, and there is pecuniary need, a recently extended Regulation of the Special Grants Committee allows substantial grants, extending over a considerable period, in cases of serious illness of the wives, children, and dependants of serving soldiers, and the widows and orphans of soldiers deceased.]

FOOD FOR INVALIDS.

Sir C. Kinloch-Cooke asked the Parliamentary Secretary to the Ministry of Food on March 20 whether he is in a position to give any further information with regard to the matter of rations to invalids other than cases of diabetics and tuberculous persons; whether he is aware of the number of persons suffering from throat affections, some of whom have undergone the operation of tracheotomy, and that these persons require special food; and what steps, if any, the Government propose to take to enable them to obtain the food that is necessary to meet their requirements.

Mr. Clynes replied that the Ministry of Food, on the advice of its scientific advisers and after consultation with physicians, hospital managers, and representatives of the Local Government Board, has drawn up approved scales of hospital dietaries which will shortly be published. With regard to extra meat rations, the Ministry is advised that in addition to tubercle and diabetes, these are only required in cases of pancreatic insufficiency—including coeliac disease. Increased fat rations are limited to the two diseases first named. Where invalids are unable to swallow, and have to be fed by tube with concentrated nourishment, extra sugar may be granted.

SMUT IN OATS AND BARLEY.—Food Production Leaflet No. 31, which deals with this subject, recommends formalin as the most effective steep for killing the spores on oat- and barley-seed. The strength to use is one pint of commercial formalin in 20 gals. of water, the grain being soaked in the solution for ten minutes. Afterwards the grain is placed in a heap for four hours or so, when it is ready for drilling.

SUBSTITUTE FOR CORK STOPPERS.—The shortage of cork in Germany has made it necessary to find some other way of corking bottles. The following process is considered the best: A piece of parchment paper is put on the opening of the bottle, and a stopper of cellulose cotton-wool is pressed in; the bottle should then be turned up to wet the paper and make the whole stopper air-tight. The whole is then covered with another piece of parchment paper, tied up with string, and well sealed.

English and Welsh News.

The Editor would be obliged if subscribers would send him marked copies of newspapers containing items of interest for insertion in this or other news sections of the "C. & D."

Easter Holidays.

The following closings are announced in addition to those given in the *C. & D.*, March 16 and March 23, p. 35 in each case:

Goodall, Backhouse & Co., White Horse Street, Leeds, March 28 to April 3.

Mallagh & Co., 19 St. Dunstan's Hill, London, E.C., March 27 to April 3.

Raimes & Co., York, March 28 to April 2.

Contracts.

The following tenders have been accepted by the bodies named:

Chelmsford Joint Hospital.—Corbyn, Stacey & Co., Ltd., drugs.

Stourbridge Guardians.—Mr. A. J. West, chemist and druggist, Amblecote, drugs, etc.

Weymouth Guardians.—Mr. M. T. Evans, chemist and druggist, surgical dressings.

Birmingham.

The local epidemic of measles (fortunately of a mild type) is steadily declining in extent.

Mr. F. H. Alcock, F.I.C., Ph.C., has been appointed corresponding member for the Birmingham Section of the Society of Chemical Industry for the purpose of contributing to the "Review" portion of that Society's journal.

A conspicuous advertisement of Coslettised steel appears in the local Press. This, it may be remembered, is the invention of Mr. Thomas Watts Coslett, F.C.S., chemist and druggist, at one time the proprietor of a Birmingham pharmacy.

Liverpool.

The Easter vacation in the wholesale trade extends from Thursday evening to Tuesday morning. On the retail side Friday, Sunday, and a few hours on Monday is the rule.

Mr. William P. Evans, chairman of Evans Sons Lescher & Webb, Ltd., met with a painful accident on March 22, just before the annual meeting of the company (see p. 38). When crossing Bold Street at Hanover Street Corner—a congested spot—Mr. Evans was knocked down by a messenger cyclist. Although sustaining severe bruises he managed to make himself presentable for the meeting, and then went to bed for two days. He has since gone to recuperate in North Wales.

Sheffield.

Local pharmacies are to be closed all day on Good Friday and Easter Monday.

Mr. J. Hall (Exell Bros.) has been called up for military service and posted to the R.A.M.C.

Whole-window shows of Sanatogen and Formamint are in evidence here in leading pharmacies.

The many friends of the popular President of the local Society, Mr. A. H. Culverhouse, will be interested to hear that he has been made a director of G. T. W. Newsholme, Ltd.

At an invitation meeting held last week at the Grand Hotel, Mr. Bernard Ellis addressed some of the younger pharmacists on his scheme for the formation of a pharmacists' trade union (see *C. & D.*, March 9, p. 46).

It is believed that the settlement of district N.H.I. accounts for the year 1917 will take place much more promptly than that for 1916—quite six months earlier in proportion. As the administrative expenses have not reached the amount provisionally deducted, 25 per cent. or more of this sum will be returnable to panel chemists.

Miscellaneous.

POISONING.—An inquest was held at Kensington on March 23 on Dr. Robert Salusbury Trevor, Courtfield Road, S.W., well known as the pathologist to St. George's and other hospitals, who was found dead in bed on March 21. Evidence was given by Dr. Spisbury to the effect that death was due to coma from morphine-poisoning, and after other circumstances had been related a verdict of "Suicide during temporary insanity" was returned.

SOAP-SHORTAGE.—Speaking at the annual meeting of Lever Bros., Ltd., on March 26, Lord Leverhulme said the directors had been caused much concern by the announcement that the Government were considering the prohibition of the manufacture of toilet-soaps. This, he said, would throw

thousands of people out of work, and would result in the production of less glycerin, which they must have to win the war, and would do away with soap in its most economical form.

CHARITY CONCERT.—The Parke Davis Social Club gave a concert at Hounslow, on March 6, in aid of Hounslow Hospital. A lengthy programme was successfully carried out, and the sum of 116*l.* 12*s.* 6*d.* was raised by the sale of tickets for a prize draw, which took place after the interval, and was conducted by Mr. Joynson-Hicks, M.P., and Mrs. Joynson-Hicks. Messrs. A. C. Hinrichs and C. L. Holder-ness were the stage managers, and Messrs. T. Mitchell and F. E. Smith the honorary treasurers.

PAPER CONTROL.—The President of the Board of Trade last week received a deputation from the Special Trade Section Committee on Paper Restrictions of the London Chamber of Commerce, which presented a petition signed by 8,200 leading business firms in the United Kingdom, calling for the withdrawal of the Paper Restriction Order and claiming representation for users of paper for ordinary trade purposes on the Advisory Committee or Committees which are to act with the Paper Controller. Sir Frederick Hall, M.P., was assured by the President that due recognition would be given to the weight of opinion represented by the deputation. The deputation agreed to appoint some of their number to confer with the Paper Controller on the subject.

EARLY-CLOSING ASSOCIATION.—The seventy-sixth annual meeting of the Early-closing Association was held at the Mansion House, London, on March 21, and was preceded by a conference of delegates, among whom were representatives of the London County Pharmaceutical Association (Messrs. J. Milner and A. J. Wing), the Western Pharmacists' Association (Messrs. W. E. D. Shirliff, President, and A. R. Melhuish, Ph.C.), and the South-East Pharmacists' Association (Mr. W. C. Sayers, Ph.C.). The Lord Mayor, who presided, expressed his approval of the objects of the Association, and a resolution was passed approving, *inter alia*, of further efforts towards compulsory closing of such a nature as to meet the demand for a working week of forty-eight hours.

BURGUNDY MIXTURE.—The Food Production Department, 72 Victoria Street, London, S.W. 1, has arranged with the principal manufacturers of soda crystals (used in the manufacture of Burgundy mixture) to supply this product during the coming season at 4*l.* 7*s.* 6*d.* per ton net, in 2-cwt. bags, delivered to any station in England, Scotland, and Wales in 5-ton lots. In large cities and other approved centres lots of 1 ton and upwards will be supplied at the same price. For lots of less than 1 ton orders should be placed with local dealers. The retail price of soda crystals sold from shop or store, the Department states, ought not to exceed the following: 56 lb., 3*s.* 6*d.*; 14 lb., 1*s.*; 7 lb., 6*d.*; 1 lb., 1*d.* The demand for soda crystals can only be met by the manufacturers if orders are placed immediately and delivery is accepted as and when facilities offer.

THE BRADFORD CHAMBER OF TRADE reports that the Pharmacists' Section have discontinued their connection with the Chamber on the Section system—which puts finances and operations in the hands of the Chamber's officers—and returned to their old standing as an affiliated but independent Association. This is mentioned as being doubtless by reason of the chemists' close professional association with the Pharmaceutical Society, and their interests being very distinct from those of most other classes of shopkeepers. The Chamber pays tribute to the good work done by the local Pharmacists' Association on behalf of the members of the craft on matters of military service, health insurance service, and developments of a trade character.

POLICE COURT CASES.—At Greenwich Police Court, London, S.E., on March 23, Charles Zieben, ship's chief steward, and Ernest Robinson, second steward, were each fined 50*l.* for harbouring on board a ship outward bound to Rotterdam 4 lb. of vanillin. Zieben was also fined 1*l.* 7*s.* (the maximum) for similarly harbouring 1½ lb. of tartaric acid.—At Croydon Police Court, on March 23, Mrs. Clarke, Stafford Road, Wallington, and Edith Bishop, her assistant, were summoned for selling crystallised ginger at 3*d.* per oz. It was stated in evidence that the Ministry of Food regards crystallised ginger as a sweetmeat; but it was urged for the defence that the proportion of sugar present is "infinitesimal," and the Bench, holding that there was considerable doubt in the case, dismissed both summonses.—At Mansfield, on March 20, two lads, named Frederick Place and Stanley Crane, were ordered to be banded for stealing goods to the value of 5*s.* 4*d.* from the shop of Mr. A. H. Bell, Ph.C., Westgate, and Jane Place, mother of the first-named lad, was sent to prison for a month for receiving the goods.

Irish News.

Brevities.

Owing to the splendid weather which has prevailed for some time past, photographic chemists in Cork are enjoying a business boom.

Some Irish chemists complain that since the sugar-ration scheme came into force they have not been able to get sufficient sugar, but the public seems able to secure enough for domestic needs.

The new Lodge of Freemasons which is being opened by the chemists and druggists of Belfast will be named the Galen Lodge No. 437. The consecration ceremony was to take place on March 27.

The British Drug Houses, Ltd., London, and Baker & Wright, chemists, Patrick Street, Cork, have subscribed to the fund for Cork orphans and widows of the men who lost their lives at sea (see *C. & D.*, March 23, p. 36).

Scottish News.

Brevities.

Scottish Co-operative Wholesale Society paid 50,582*l.* in excess-profits duty last year.

The casual examination of proprietaries in an average pharmacy shows about fifty articles still at pre-war prices.

Edinburgh.

A. Ireland, with Raines, Clark & Co., Ltd., was the victor in the principal contest in a recent boxing tournament.

The present difficulties in the confectionery-trade have already resulted in chemists being, in some cases, only able to obtain part of the quantity of medicated pastilles and lozenges they ordered.

In the report for the year 1917 of the Inspector under the Diseases of Animals Act, it is mentioned that a number of horses had to be destroyed on account of parasitic mange, while many were taken off work for some weeks from the same cause.

There would appear to have been a rush for saccharin tablets at Boots' establishments of late. Interested inquirers at one or two of the shops were assured that the stock was sold out. Meanwhile, former prices for this commodity have been maintained elsewhere.

The growing belief that even the least costly things will serve over and over again was exemplified by a N.H.I. patient the other day. "Here's the bottle and the prescription," he said, "but you'll have to charge for a cork this time. I must have dropped it somehow."

The Comptroller-General of Patents, Designs, and Trade-marks has recently heard an application by Aitken, Melrose & Co., Ltd., Forth Street, for the registration of two trade-marks, each containing, *inter alia*, the word "Melrose." As in a previous law case (*C. & D.*, January 25, p. 36), they were opposed by Andrew Melrose & Co., George Street, who again won the day.

Members and students unable to attend a recent meeting of the North British Branch of the Pharmaceutical Society were invited to pass on their "billet" to "anyone who would be interested in the proceedings," with an intimation, conspicuously printed, that tea and coffee would be served. Can it be that the North British Branch of the Pharmaceutical Society is getting rid of a surplus of provisions?

Glasgow.

A movement is on foot for forming a branch of the British Association of Chemists in Glasgow. A meeting was held for this purpose recently.

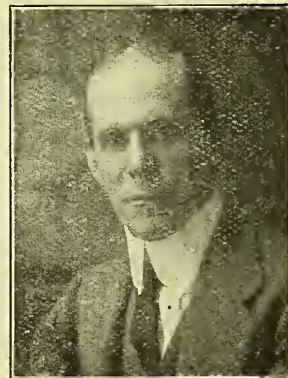
Much satisfaction is felt in pharmaceutical circles that the distinction of Member of the Turin Academy has been conferred on Professor Bower, D.Sc., Glasgow University, formerly botany examiner for the Pharmaceutical Society in Scotland.

THE range of the luminous stimulus to which the eye can respond is enormous. When we grope our way on so dark a night that objects are only just visible, the illumination is about one-ten-thousandth of a foot-candle, or equal to that received from a candle at a distance of 100 ft. In summer sunshine we often have 5,000 foot-candles, and in clearer atmospheres than ours 10,000 foot-candles are reached. The brightness of a furnace is even higher, and furnacemen judge the temperature of the colour.—*Nature*.

O.F.S. Pharmaceutical Society.

THE ANNUAL GENERAL MEETING was held in Bloemfontein on January 22, Mr. W. F. Prophet presiding. The President reviewed the work of the past year, and emphasised the good feeling which continued to exist among chemists. The election of officers was then proceeded with. Mr. H. H. Greenwood was unanimously elected President for 1918; Mr. James Reid, Vice-President; Mr. Francis Carter, Hon. Secretary and Treasurer; Mr. J. Rawling, Mr. S. Taylor, Mr. J. Austin Thomas, Mr. W. F. Prophet, and Mr. C. Weller, Executive Committee. In the course of the annual report it is stated that "During the past year several matters of importance have occupied the attention of the members. The proposed Medical and Pharmacy Bill, which everyone expected would become law last Session, did not pass its final stages, but from reports already to hand it is very possible that the Bill will have the attention of the House before the present Session concludes, and that it will be placed on the Statute Book ere the close of the present year. The Executive of the Society has spent a considerable amount of time in going through the details of the Bill, and, with the co-operation of the other Pharmaceutical Societies in South Africa, have made many amendments which they trust will be adopted when the Bill passes its final stages. Members of Parliament have been interviewed, and letters have been sent to them from all the Pharmaceutical Societies in the Union asking that our traditional and legitimate rights should not be curtailed. Six meetings have been held and three new members have joined the Society. There are still many chemists in the O.F.S. who are not members of our Society, and it is felt that if a special effort was made by members of the Society those chemists could be induced to join. A conference of delegates representing pharmacy from the Transvaal, Natal, Cape Province, and the O.F.S. was held in Bloemfontein. Mr. J. Rawling, a Past-President of our Society, had the honour of presiding over its deliberations. The conference served a very good purpose, as, apart from the good work done for pharmacy by that Conference, it afforded an opportunity to our members of having social intercourse with some of the leading chemists in the sister Provinces. The Society entertained all the delegates to dinner at the close of the Conference. It is to be regretted that the Government have not seen their way to grant commissions to pharmacists in the Army and Defence Forces of South Africa, as has been the case in Canada, Australia, and New Zealand. It has been proved by the commissions given in those Colonies that thousands of pounds are saved per annum by these appointments. It is hoped that no effort will be spared on the part of chemists in South Africa to continue to strive to obtain what has been granted in other Colonies. Our financial position is sound, the Treasurer's statement showing a credit balance of 10*l.* 9*s.*"

MR. H. H. GREENWOOD, the newly elected President of the Orange Free State Pharmaceutical Society, was born in Dowsbury, Yorkshire. He went out to South Africa at the beginning of the Boer War as a dispenser in the R.A.M.C., and served in that capacity almost to the end of the war. He holds the Queen's and King's Medals and six clasps. In 1902 he entered the employment of Petersen, Ltd., Cape Town, and after remaining there for a short period was transferred to the Bloemfontein branch. After gaining experience in every department in this branch he was appointed their travelling representative for the O.F.S. and Basutoland, and when Mr. John Main, the manager of the Bloemfontein branch, was transferred to Johannesburg Mr. Greenwood took his place. He passed the Qualifying examination O.F.S. in 1911. Mr. Greenwood has been a member of the O.F.S. Pharmaceutical Society since its inception, and for the three years previous to his election as President acted as Hon. Secretary. He is a member of the O.F.S. Medical and Pharmacy Council.



MR. H. H. GREENWOOD.

Legal Reports.

Unstamped Medicines.—At Bow Street Police Court on March 22, before Sir John Dickinson, Blooms, Ltd., were summoned for having on December 21, 1917, at 137 Oxford Street, London, W., exposed for sale unstamped a bottle of Oculysol, which is liable to stamp-duty under the Medicine Stamp Acts. There were separate summonses in respect of similar exposures for sale of the same preparation at 229 Strand and 259a Tottenham Court Road. On behalf of the defendants it was explained that the offences had been committed through inadvertence. The Magistrate imposed a penalty of 5*l.*, and 1*l.* costs, on each of the three summonses—18*l.* 3*s.* in all.

Panel Doctor's Claim.—In the Court of Session at Edinburgh on March 20, the Second Division delivered considered judgments in an appeal by the Aberdeen Insurance Committee in the action against them by Dr. Alexander Mitchell, Aberdeen (see *C. & D.*, February 2, p. 37). Plaintiff is one of the panel doctors in Aberdeen, and his panel is one of the largest in that city, numbering approximately 4,000. On September 6, 1916, the Insurance Committee, proceeding upon reports by the Panel Committee and the Pharmaceutical Committee, having come to the conclusion that an excessive demand on the Drug Fund had arisen owing to orders given by Dr. Mitchell during 1915, resolved to make a reduction of 244*l.* from the amount payable to him, and on September 8 they intimated to him that he had been surcharged to that extent. On October 4 that resolution was put into effect by the deduction of 244*l.* from the payments then made to him. On April 20, 1917, Dr. Mitchell instituted these proceedings against the Insurance Committee, the Aberdeen Burgh Panel Committee, and the Scottish Insurance Commissioners, craving reduction of the resolution surcharging him, and for payment of the 244*l.* Defences were lodged by the Insurance Committee. Some time ago Lord Ormisdale ordered inquiry, but on March 20 the Division reversed that decision and dismissed the action, with costs to the Committee. Their Lordships held that the action was excluded, by reason of the delay on the part of the plaintiff in raising it, by the Public Authorities Protection Act.

Trade-marks *et c.*—In the Chancery Division on March 22, Mr. Justice Sargant had before him an application by R. Lehmann & Co., Ltd., Peninsula House, Monument Street, London, E.C., for registration of the trade-mark "The Cross Brand" in respect of condensed skimmed milk. The applicants undertook not to use the cross device in red on a white ground. After hearing Mr. Walter, K.C., on behalf of the applicants, and Mr. Kerly, K.C., for the Board of Trade, his Lordship said the applicants were asking for the registration of an elaborate trade-mark in respect of condensed machine-skimmed milk. The learned Registrar refused the application because of the presence on the register of two other trade-marks which, he thought, were so similar that confusion would be caused by allowing the registration of the present trade-mark. Now he (the Judge) was asked to exercise his general jurisdiction. For many years the applicants had had a very extensive sale of this particular brand of condensed milk, amounting in the whole period they had carried on business to something over ninety million tins. What was put against the applicants was that there was on the register a mark belonging to the Wilts United Dairies, and undoubtedly that mark had, as a striking feature in the device, a cross similar in appearance to the applicants' cross, but in all the circumstances he thought the case was one in which he ought to exercise his discretion and allow the applicants' trade-mark to be registered. There was no substantial possibility that the public would be in any way misled or deceived.

A Chemist's Will.—The will of the late Mr. Ernst Louis Ambrecht, homeopathic chemist, Duke Street, London, who died in August 1912, occupied the attention of Mr. Justice Younger in the Chancery Division on March 21, the main question before the Judge being as to whether a sum should be allowed for the maintenance and education of two grandchildren during their minorities and paid by the trustees out of the income of the testator's residuary estate. Mr. C. J. Mathew, K.C., on behalf of the grandchildren, said the testator was a successful chemist, and manufactured coca-wine, which was well advertised. The will was a somewhat curious one. Mr. Ambrecht bequeathed to his son, Mr. Ernest Louis Nelson Nelson, the goodwill of the business carried on in Duke Street, conditional on the son paying over to the estate 25 per cent. of the net annual profits during the widowhood of his mother. The residue amounted to 40,000*l.* Mr. Nelson had two children, both under the age of twenty-one years. The business had

suffered in consequence of the war. He (counsel) asked that the sum of 150*l.* per annum (free of income-tax) be allowed for the maintenance and education of each of the testator's grandchildren. After considerable legal argument his Lordship said the testator probably did not contemplate that the business would turn out to be so rapidly unprofitable as it had become, and did not suppose for a moment that it would be insufficient to maintain adequately both the son and his children. He authorised an allowance of 150*l.* for each of the children for two years, and he also sanctioned the reduction of the rent payable by Mr. Nelson from 275*l.* to 183*l.* 6*s.* 8*d.*, the costs to come out of the residue, with liberty to apply.

Permanganate-of-Potash Contract.—Messrs. Elmer G. Taunt, chemical-merchants, Wornwood Street, London, E.C., appealed to Justices Avory and Shearman, sitting as a Divisional Court, on March 25, to set aside the award of the arbitrator in their action against S. Fleming, trading as S. Fleming & Co., Mark Lane. Mr. Rigby Swift, K.C., for appellants, said the matter arose under a contract by which Messrs. Fleming were to deliver 8 cwt. of permanganate of potash at 11*s.* 1*d.* The appellants relied upon the following reference to the contract in a letter:

"8 cwt. permanganate of potash as per sample pre-war in 2-cwt. drums delivery Manchester or London."

In reply to Mr. Justice Shearman, Mr. Swift said pre-war meant manufactured before the war. A dispute arose between the parties as to whether the potash was good potash. The arbitrator found that the sale was not one by sample, but was a sale of potash of merchantable quality. Messrs. Fleming contended before the arbitrator that they did not notice in the letter the words "as per sample." Mr. Rigby Swift submitted that great injustice might be done if business men were to have their contracts set aside, as this had been, because when a dispute arose the arbitrator preferred a verbal version of the negotiations and arrangements between the parties to the written contract. Without calling upon counsel for the respondents, Mr. Justice Avory said it was clear there was no error of law upon the face of the award, and therefore the appeal could not succeed. Mr. Justice Shearman concurred. He pointed out that an appeal from an arbitrator was a very limited one. Persons selected an arbitrator, and were bound to accept his decisions both on fact and on law. The only way in which an arbitrator's decision on a point of law could be contested was in the form of a special case, and if a mistake in law was put upon the face of his award. The appeal was accordingly dismissed, with costs.

Pharmacy Act (Ireland).—Several summonses, at the suit of the Pharmaceutical Society of Ireland, against shopkeepers carrying on business in the town of Tipperary, and their assistants, charging them with breaches of the Pharmacy Acts, were set down for hearing at the Tipperary Petty Sessions on March 21. Only one summons, however, was disposed of, the remainder being adjourned until April 4. Michael O'Brien, an assistant in the ironmonger's shop of Mrs. Mary Murphy, James Street, Tipperary, was charged with having sold to Patrick Butler poison within the meaning of the Sale of Poisons (Ireland) Act, 1870—namely, arsenic contained in and forming part of Cooper's sheep-dipping powder—contrary to the Pharmacy Act (Ireland), 1875. Mr. Wm. C. Meeke, who prosecuted on behalf of the Pharmaceutical Society, was asked by the Chairman why he did not summon the proprietor of the house, and replied that she resided in Dublin. He would like to have summoned her, as he preferred to get the proprietors rather than the assistants. The sheep-dip, for which 1*s.* 3*d.* was paid, had been analysed by Mr. Walter Thorp, public analyst, who certified that it contained arsenic equal to 22.5 per cent. of arsenious acid. Mr. Patrick Butler, who made the purchase on behalf of the Pharmaceutical Society, said defendant sent out for the sheep-dip as he had none in stock. Witness was cross-examined by Mr. D'Arcy, and stated that defendant refused to initial the bill which the messenger had brought from Kissane's shop, where he had bought the sheep-dip. Mr. D'Arcy remarked: "How a Society like the Pharmaceutical Society could stoop to such a thing was beyond him." A penny of the money never went into Mrs. Murphy's shop. The complainant should prove a sale. The stuff was never stocked or sold by the defendant. Mr. Meeke contended that there were two sales—one between Kissane and Mrs. Murphy, and the other between O'Brien and Butler. The Chairman said no profit or commission had been obtained by the defendant, and the Magistrates were unanimous in dismissing the case, which was a very shaky one for the Society to bring into the court. Mr. Meeke asked the Magistrates to state a case, but the Chairman declined. [We understand that notices requiring them to state a case have been served on the Magistrates.—EDITOR.]

New Companies and Company News.

P.C. means Private Company and R.O. Registered Office.

RHUAKA REMEDIES, LTD. (P.C.).—Capital 3,000*l.* Objects: To carry on business as manufacturers of and dealers in a patent medicine invented by Milton Stott, known as "Rhuaka." R.O., 10 Cow Green, Halifax.

BUXTON, LTD. (P.C.).—Capital 100*l.* Objects: To carry on business as manufacturers and bottlers of and dealers in mineral waters, beverages, syrup, cordials, powders, essences and flavouring ingredients, proprietors of spas, hydros, and baths, etc. Solicitor: A. J. H. Oram, Bank Chambers, Terrace Road, Buxton.

BRITISH CELLULOSE AND CHEMICAL MANUFACTURING (PARENT) CO., LTD. (P.C.).—Capital 3,500,000*l.* Objects: To acquire, hold, and dispose of stocks, shares, debentures, debenture stock, and obligations of the British Cellulose and Chemical Manufacturing Co., Ltd., or any other company, and to carry on the business of manufacturers, producers, importers, exporters, and brokers of and wholesale and retail dealers in chemicals, drugs, paint, varnish, dyestuffs and pharmaceutical preparations, explosive manufacturers, etc., and to enter into agreements (1) with the Prudential Trust Co., Ltd. (incorporated in Canada), and (2) with the British Cellulose and Chemical Manufacturing Co., Ltd., C. Dreyfus, and H. Dreyfus. Solicitors: Grundy, Kershaw, Samson & Co., 5 Austin Friars, London, E.C.

T. B. ATKINS, LTD.—Mr. F. J. Remington, 46 Cherry Street, Birmingham, ceased to act as receiver or manager on March 15.

BORAX CONSOLIDATED, LTD.—The report for the year ended September 30, 1917, states that the net profits are 385,527*l.* The directors recommend a final dividend of 2*s.* per share on the deferred ordinary, making 15 per cent. for the year.

PRICE'S, LTD., BATTERSEA.—The report for 1917 shows a profit of 300,156*l.*, against 211,407*l.* for 1916. The directors recommend a final dividend of 1*l.* 5*s.* and bonus of 12*s.* 6*d.* per share, making 2*l.* 17*s.* 6*d.* per share, less tax, carrying forward 29,553*l.*

LEVER BROTHERS, LTD.—The report for the year 1917 states that credit balance is 1,608,778*l.*, and has been appropriated as follows: Repairs, renewals, and alterations, 125,734*l.*; depreciation, 123,291*l.*; insurance reserve, 17,655*l.*; prosperity-sharing with employees, including dividend on co-partnership certificates, 130,854*l.*; dividends on preference and preferred ordinary shares, dividend on ordinary shares at rate of 15 per cent. per annum; balance carried to reserve fund, 5,580*l.*

MAYNARD & CO., LTD., SINGAPORE.—The seventeenth annual general meeting was held on February 7, when the following report was submitted and adopted: "After writing off bad debts of \$873.85 and making provision for depreciation, the accounts show a net profit for the twelve months of \$13,071, subject to directors' fees. Deducting \$8,353 brought forward at debit of profit and loss account at the close of the previous year and directors' fees, there remains a balance of \$2,717.98, which is recommended to be carried forward to next account, subject to directors' fees for the twelve months ended October 31, 1917. It is also recommended that \$2,000 standing to credit of reserve account be applied to the reduction of goodwill. Mr. T. M. Maben, Ph.C., retires from the board by rotation, and being eligible, offers himself for re-election." Mr. Maben joined the staff in March 1914. He was appointed manager in 1915, and elected a director in 1916. The progress of the firm under his management, and immediately preceding, is shown by the following figures: 1914, loss, \$16,650; 1915, net profit, \$29; 1916, net profit, \$9,364; 1917, net profit, \$13,071.

EVANS SONS LESCHER & WEBB, LTD.—Mr. William P. Evans, chairman of the directors, presided at the annual general meeting of the company, held at 56 Hanover Street, Liverpool, on March 22. In the course of his address in moving the adoption of the report, he alluded to the death of his brothers, Alderman John J. Evans and Sir Edward Evans. Speaking of the year's business, the Chairman said the volume of business they had done was not as large as in the two previous years, which was owing to a large extent to the "collapse" in Russia, where the company had done a very considerable amount of trade. The report referred to the friendly relations with other Allied and neutral countries, and, had there not been a scarcity of ships towards the latter part of the year, they would have despatched many more goods to various parts of the world.

They were proud that their junior director (Mr. Stephen Webb, recently decorated by the King with the Military Cross) and about three hundred of the staff were still serving with the Colours, and he hoped they might be spared till the conclusion of the war. There was no charge in the accounts that the directors gave more ungrudgingly than the one that was given to many of their dependants. There was in the report the sad paragraph that fifteen of the staff had laid down their lives in the service of their country. Continuing, the Chairman said that, turning to the profit-and-loss account, it would be seen that the trading profit was almost the same as the previous year, and the final adjustment was that the same dividend was paid after making ample provision for excess profits and other expenses. The directors were cautious, and were not asking for a full division of the profits, the ordinary shares, as was known, being held by the directors and ex-directors. They had waived the bonus which was declared during the last two years, and were placing a sum to reserve, while they carried forward a larger sum than they did last year. It was with regret that their esteemed secretary, Mr. J. Shacklady, after a service of forty years in that building, was compelled to resign his office owing to ill-health. They all hoped he might long be spared to enjoy his retirement. His successor was Mr. L. J. Prinney, who had been in the employ of the company for some years. Mr. E. A. Webb (deputy-chairman) seconded, remarking that he thought the shareholders would consider they were fortunate in having Mr. William P. Evans to occupy the chair in the place of his brothers. The directors had the greatest possible confidence in him. The motion was unanimously adopted, and Messrs. J. H. E. Evans, T. E. Lescher, and S. F. Webb, the retiring directors, were re-elected.

SOUTHALL BROS. & BARCLAY, LTD.—Sir Thomas Barclay presided at the annual meeting, held in Birmingham on March 25. In moving the adoption of the report of the directors (*C. & D.*, March 23, p. 37) Sir Thomas commented on the various financial items, and referred to the more important business events of the year, these including Government control, shipping problems, the action taken by the Government to assist British traders, and difficulties in obtaining supplies of raw materials, especially those drugs which previous to the war went from our Indian and Egyptian Possessions direct to Germany, but which were now diverted to this country. Sir Thomas also dealt with the progress in the potash and saltpetre industries, showing in regard to the latter that the trade formerly controlled to a large extent by Germany, had passed to India, which country exported in 1915-16 20,702 tons, valued at 459,000*l.*, about 80 per cent. of which came to the United Kingdom. Particular reference was made to Germany's anxiety as to their trading after the war, quotations being made from an article on "Hamburg's War Problems" (*C. & D.*, March 9, p. 43). The fluctuations in prices of chemicals was next dealt with—*e.g.*, potash bromide in 1914 was worth about 2*s.* per lb., during 1916 it rose to 30*s.*, but in 1917 it fell to 7*s.* 6*d.*, and during the last few weeks it has again increased to 13*s.* 6*d.* Dealing with the difficulties in obtaining rectified spirit, Sir Thomas pointed out that in spite of all restrictions the demand for perfumery has increased, and they were able to sell about three times as much perfumery as in 1914, while their sales of eau de Cologne increased eightfold. How the difficulties in obtaining surgical rubber goods, druggists' sundries, glassware, etc. (which were formerly imported in large quantities from Germany and Austria) had been successfully overcome by British makers was described by the Chairman, who also went into detail regarding their Norwegian cod-liver oil factories. Other matters dealt with included chemical research, developments in the scientific apparatus department, photographic materials, the manufacture of Vitafer, glycerophosphates, sodium salicylate (the quality of which is equal to if not better than the German), hippuric acid and its salts, phenolquin and neo-phenolquin, and other synthetics, the company's plant for which had been considerably increased. Mr. Thomas Barclay, in seconding the adoption of the report, said, in reference to the surgical-dressings branch of the business, that in the early days a large portion of the cotton-wool used in this country was of German manufacture. They determined to alter that, and went to Germany to see how it was done. They saw a modern factory, the owner knew their object, was very courteous, and answered their questions freely. So far as they could see there was no secret, just care and organisation. The company made considerable additions to their plant so as to increase the English share in the market. It started at an opportune time, and but for the war it might not have been fully employed. The output had been on a very large scale, much beyond anything that had ever been done previously. The report was adopted. Messrs. W. F. Southall and W. E. Hipkiss were re-elected directors.

Birth.

CURTIS.—At 18 Templars Avenue, Golders Green, London, N.W., on March 13, the wife of F. F. Curtis, 20 Bury Street, W.C. 1, of a daughter.

Marriages.

GARDINER — BULLIVANT.—At Christ Church, Woburn Square, London, W.C., on March 19, Second-Lieutenant Noel Gardiner, Royal Fusiliers (City of London), Basildon, to Hilda Constance, only daughter of Mr. W. Bullivant, chemist and druggist, Boston.

BACARESE—WALKER.—At St. Stephen's Church, Albert Square, London, S.W., by the Rev. J. P. Grundy, Leopold Louis Bacarese, chemist and druggist, F.I.O., to Ada Maude, eldest daughter of the late Mr. James Coombe Walker, Gravesend.

Deaths.

BIRD.—At 23 Styvechale Avenue, Coventry, on March 25, Elizabeth, widow of the late Alderman Bird, J.P., chemist and druggist, aged sixty-five.

BROWN.—At 151 Westbourne Terrace, London, W., on March 21, Mr. John Arthur Brown, chemist and druggist, aged forty-three.

CASWELL.—At Newport, Rhode Island, U.S.A., on March 9, Mr. John R. Caswell, aged eighty-nine. Mr. Caswell, who was born in Jamestown, R.I., was able to trace his lineage for two hundred years in that locality. Till his retirement ten years ago he was the proprietor of Caswell, Massey & Co., druggists, New York and Newport, which business was then disposed of to a company. Latterly, Mr. Caswell spent most of his time in Providence, where, as in New York, he was much esteemed for his cheery, companionable disposition. He is survived by a daughter.

CRESSWELL.—At Ashtead, Surrey, suddenly, on March 23, Mr. Charles Gerrard Cresswell, aged sixty-three. Mr. Cresswell was Secretary of the Society of Chemical Industry from 1883 to his retirement in 1916. He had been in precarious health for some time, but was present at the funeral of Mr. Thomas Tyrer at Golders Green on February 25. Mr. Cresswell was well known among manufacturing chemists from his long connection with the Society of Chemical Industry, and when the annual meeting was held in the United States he much impressed the members in that country by his urbanity and courtesy.

HAIRSINE.—At 39 Buckingham Mansions, Hampstead, London, N.W., on March 15, after a short illness, Mr. Herbert Seaton Hairsine, chemist and druggist, aged seventy-five. Mr. Hairsine belonged to a Yorkshire family, and had been engaged in pharmacy in London for over fifty years. He was the proprietor of the businesses known as Hairsine & Co., 47 Haymarket, S.W., and Williams & Elvey, 8 West Halkin Street, S.W. The latter had at one time the reputation of being the most purely professional pharmacy in London; nothing, with the exception of eau de Cologne, was supposed to be sold over the counter, the business consisting entirely of dispensing. Here Mr. Hairsine was succeeded, about six years ago, by Mr. S. R. Powell; and he finally retired from Hairsine & Co. in 1915, the business being now owned by Mr. F. E. Warming-ton. The death of his son, Captain Owen Hairsine, M.C., R.A.M.C., in the battle of Messines last year affected him deeply, and he had been failing in health latterly. The obsequies took place at Golders Green on March 19.

WALKER.—At 20 Gainsborough Road, Bedford Park, London, W., on March 5, Mr. Charles William Walker, chemist and druggist, aged eighty-eight.

WYBORN.—At Salisbury House, Sackville Road, Hove, on March 11, Mr. John Middleton Wyborn, chemist and druggist, aged seventy-five. Mr. Wyborn was in business before August 1, 1868.

Died on Service.

DANIELS.—Corporal James Daniels, Royal Defence Corps, died on duty recently from heart-failure, and was buried with military honours at Warrington on March 21. In pre-war days Corporal Daniels was with Joseph Crossfield & Sons, Ltd., Warrington.

KNIGHT.—Rifleman Ernest Thomas Knight, Rifle Brigade, is reported killed in action, aged thirty-nine. Rifleman Knight, who served his apprenticeship with the late Mr. T. C. Lamb, Ph.C., Chatham, had been missing since May 3, 1917.

MANKS.—Signaller Henry Marcus Manks, Rifle Brigade, is reported killed on service in France on March 12, aged nineteen. Signaller Manks was the only child of Mr. J. W. Manks, 38 Berkeley Road, Crouch End, London, N., whose many friends in the trade will learn with regret of his great loss.

Personalities.

BRO. JOHNSON BEAL, chemist and druggist, Rochdale Road, Manchester, was on March 20 installed Worshipful Master of the Ardwick Lodge No. 2185, East Lancs, for the ensuing year.

MR. S. J. C. MASON, Hon. Secretary of the British Chemical Trades Association, writes to explain that the inclusion of the name of Fuerst Bros., Ltd., among the list of supporters of the Association (*C. & D.*, March 9, p. 50) was due to a misunderstanding, and was without the authority of Mr. Jules Fuerst or his company.

MR. PERCY J. ASHFIELD, chemist and druggist, Rhyl, has resigned his position as representative of the town on the North Wales Advertising Board. Mr. Ashfield's scheme of distributing collecting-boxes for prisoners of war to restaurants and other establishments in Rhyl has proved so successful that a constant supply of bread and other food is now being despatched.

Business Changes.

THOMAS TYRER & Co., LTD., Stratford, announce that in pursuance of arrangements made by Mr. Tyrer some considerable time before his death, Mr. Thomas Tucker, who had been with Mr. Tyrer since the commencement of the business, and has hitherto acted as secretary and manager, has been appointed general manager, as well as a director, and he will have the assistance of the whole of the staff, most of whom have been long in the employ of the company, and have been trained under the personal direction of Mr. Tyrer. Thus, under the supervision of the directors who have been associated with Mr. Tyrer since the incorporation of the company, the continuity of the business so planned and desired by Mr. Tyrer (and in which his representatives on behalf of his family will retain the important holding he had) will be preserved.

POPE ROACH & SON, chemists, 8 St. James's Street, London, S.W., are removing to new premises at 71 St. James's Street, opposite their present pharmacy, which has long been regarded as a landmark. How many years the old premises have been used as a chemist's shop is apparently unknown, but they were so used in 1842, when the business of a Mr. Giddy was bought by the late Mr. Pope Roach, who was previously assistant to Mr. George Meggeson, Ph.C. (founder of Meggeson & Co., Ltd.), at that time carrying on a retail business in Cannon Street, E.C. It is believed that the use of No. 8 St. James's Street as a pharmacy dates back to the early years of the eighteenth century, and that the poet Byron lived there for some years. A photograph of the shop-front was reproduced in the *C. & D.*, June 28, 1902, p. 985. The present partners of the firm, which holds warrants from the King, Queen Alexandra, and the Princess Christian, are Messrs. Herbert W. Roach, Ph.C., and William Cooper.

Wills.

MR. HERBERT VICKERS, Moorhouse, Bury New Road, Kersal, Salford, manufacturing chemist, who died on July 26, left estate valued at 90,927*l.* 10*s.* 1*d.* gross, with net personalty 66,997*l.* 1*s.* 9*d.*

MR. ALEXANDER THORPE, Alfreton, Prenton Hill, Birkenhead, late of W. Gossage & Sons, Widnes, who died on November 9, left property of the value of 48,169*l.* 19*s.* 7*d.*, the net personalty being 41,025*l.* 19*s.* 7*d.*

MR. JAMES CURTIS BREWER, Fairlea, Wyld Green, Warwick, senior representative of Cuxson, Gerrard & Co., Ltd., who died on February 3, left estate of the gross value of 1,369*l.* 11*s.* 7*d.*, of which 878*l.* 13*s.* 6*d.* is net personalty.

Face Values Committee.

A MEETING of representatives of Chemists' Associations of the West Riding, Yorkshire, was held on March 20, at the Grand Central Hotel, Leeds, to consider the question of the sale of patent medicines at face-value, accompanied by an adequate profit to the retailer, as advocated by the newly formed Face Values Committee in London. Mr. F. Pilkington Sargeant (member of the Pharmaceutical Council and President of the West Riding Chemists' Association) occupied the chair, and said Mr. Saunders had been right in his contention that the question of profit might well be divorced from that of face-values in such meetings as that, because one follows the other naturally. Mr. G. Hampton (Smethwick) detailed the origin of the Face Values Committee, and mentioned that it all arose out of correspondence in *THE CHEMIST AND DRUGGIST*, followed up by an article in "The Ucalite" by Mr. Harold Miller, of Cheltenham. He (Mr. Hampton) and Mr. Miller then invited many leading pharmacists to a meeting at Birmingham, at which a Committee was formed. At a subsequent meeting in London the Committee was augmented. To show that they meant business the members of the Committee each put down a loan of 5*l.* to cover working expenses. Price-cutting has had its day. Already things have come down to a fixed price, but it is fixed by the public—the lowest price. It is time the chemists fixed their own price, and one which leaves a margin of profit. It is in the interests of the manufacturer, as much as the retailer, that patents must be protected at face-value. Specialities in practically all trades are protected. Why not in drugs? The efforts of the new Committee are intended to be in harmony with the P.A.T.A., which has done valuable work, but has failed to get in some of the manufacturers. The P.A.T.A. needs some "ginger," but it is the best organisation to bring about this desired end. (Applause.) Mr. Kirkpatrick (West Ham) said the question is no new one. The P.A.T.A. has had it in hand possibly longer than any other subject. He believed the P.A.T.A. Council will accept the endeavours of the new Committee in the spirit in which they are put forth, and that the movement will bring into line, under P.A.T.A., many articles not now protected. No organisation has done so much for the drug-trade as the P.A.T.A. (Hear, hear.) The text of patents at face-value is going to do more to unite common opinion in the trade than anything done in the past. If they can get unity on this one subject it will be a step towards unity on other matters of pharmacy. It is not altogether merely a question of increased profits, though they hoped that the adoption of face-values on proprietary articles will lead to an increased profit. The chemist will avoid the worries of continually altering prices which are so prevalent, particularly at present. The old cutting system was a vicious one, which should never have been tolerated. (Applause.) Mr. Hugo Wolff (Secretary of the Committee) said talk of a boycott is useless. Peaceful persuasion is the proper method, and the manufacturers are now more than ever dependent on the good will of the retailer because of the advertising restrictions. The chemists must put their side of the story before the manufacturers. The Committee want to go to the manufacturers, along with the P.A.T.A., if the latter will work along with the Committee, and show they have ten thousand chemists behind the movement, and no one local Association, or any few individuals, for whose communications the manufacturers have a stock reply. The ten thousand chemists will have something solid to offer the manufacturers in the form of their good will to create a demand for the goods, if sold at face-value. Some might ask, Why all this importance attached to patent medicines? Whatever their views may be as to the professional dignity or otherwise of retailing these articles, they must agree that the sale of them is increasing every day, and the public demand for branded goods is firmly established. That being so, they must have better profits and a cessation from the worry of varying prices. He believed that if the P.A.T.A. will recognise the Face Values Committee as absolutely the best advertisement it has ever had it may be the salvation of the P.A.T.A. Live industrial districts like West Yorkshire must help to set the pace. (Applause.) Mr. F. E. Burdett (Bradford), in moving the first resolution, supporting the action of the Committee, said no chemist would quarrel with the object in view; and, further, they wanted a legitimate profit. There were also a certain number of articles now sold at face-value which should receive some thought in the matter of adequate profit. Mr. W. Johnson (Leeds) seconded the motion. Mr. S. N. Pickard (Ossett) thought special attention should be devoted to the small drug-stores and the grocers who sold many of the "patents," as well as to the co-operative stores and multiple firms.

As the representative of the West Riding chemists on the Council of the P.A.T.A., he disputed the suggestion that the P.A.T.A. needs "ginger." It does its level best, and has achieved much success. Mr. H. Gilleghan (Leeds) held that the P.A.T.A. emphatically does need "gingering up," and it was getting some from Leeds, and the next meeting of the Council would know about it. To be on the P.A.T.A. list is one of the best advertisements a manufacturer could have, and those who will not fall into line must be kept off. He thought the only thing that will move the outstanding manufacturers is the establishment of a great chemists' buying combination. Mr. Mortimer (Harrogate) supported the resolution, and said the cutting of prices has outgrown its usefulness. He regretted it cannot be made illegal to sell at less than face-value. Mr. Wolff having replied, the resolution was carried unanimously. On the motion of Mr. J. H. Beacock (Leeds), seconded by Mr. Shaw (Huddersfield), it was resolved "That this meeting of delegates from West Riding Chemists' Associations agrees to submit to their members a recommendation that all Pharmaceutical Associations be asked to subscribe 1*s.* per member towards the expenses of the movement, and that any balance left over shall be given to the Benevolent Fund of the Pharmaceutical Society." The visitors were heartily thanked.

Trade Notes.

RELENTA.—A fixed retail price (P.A.T.A., 1*s.* 6*d.*) and over 40 per cent. profit are the chief attractions of Scheppe, Ltd.'s, advertisement of their aperient water, Relenta, in this issue. Their address is Vauxhall Wharf, London, S.E. 11.

THE GLOBE BOX CO., Boston Mills, Hyde, call attention to the difficulty in obtaining materials for the fibre-board and wood-end containers and packing-cases that they manufacture, and suggest that customers should order well ahead of requirements.

S. & M. FOOD PRICES.—Savory & Moore, Ltd., 143 New Bond Street, London, W. 1, have raised the retail prices of their Food as from March 28 to 1*s.* 2*d.*, 2*s.* 4*d.*, 5*s.* 10*d.*, and 11*s.* 8*d.* The new wholesale prices are given in the company's advertisement, and it is added that steps will be taken to protect retail prices at the revised face-values.

VASELINE SUPPLIES.—The Chesebrough Manufacturing Co., 42 Holborn Viaduct, London, E.C. 1, point out in their advertisement in this issue that the present requisitions of cargo-space for Government orders has resulted in the curtailment of trade supplies, and consequently delay in executing orders. Chemists are asked to extend their consideration to the company in these circumstances.

ALLENBURYS SOAPS.—The minimum retail prices of Allenburys baby soap have been advanced to 2*s.* per box of three tablets and 7*s.* 4*d.* per box of twelve tablets. The prices for Allenburys medical soaps have also been revised, so that the soaps formerly charged 6*d.* per tablet retail are now advanced to 9*d.*, 9*d.* tablets to 1*s.*, and 1*s.* tablets to 1*s.* 3*d.* A full list of the soaps will be furnished on application.

Information Department.

INFORMATION WANTED.

Postal or telephone information with respect to makers or first-hand suppliers of the undermentioned articles will be appreciated.

- | | |
|------------------------------|---|
| 38/55. "Oreinum." | 30/5. Poroplastine, for bacteriological purposes. |
| 37/65. Acheson's dentifrice. | 34/60. Corn extirpator: Cox's patent. |
| 37/61. Progenitine. | 38/73. "Chlorococine." |
| 29/21. Owen's oil. | |
| 31/31. Dent's toothache-gum. | |

INFORMATION SUPPLIED.

Inquiries regarding the following articles have been answered. The information as to supply will be given to others who send a stamped, addressed envelope to the Information Department, *THE CHEMIST AND DRUGGIST*, 42 Cannon Street, London, E.C. 4:

- | | |
|--------------------------------------|--|
| Basdon's inhaler, 249/21 | Phenacetin, British manufacturers, 157/4 |
| Benzoinaqual, 13/43 | Pierces' "Golden Medical Discovery," 16/45 |
| Biosulfol, 9/69 | Pitglantine tablets, 247/69 |
| Clark's veterinary medicines, 152/60 | St. Jacob's oil, 16/45 |
| Clarke's blood-mixture, 16/45 | "Stannoxyol," tablets, 249/20, |
| "Goswell" toilet-paper, 1/27 | 1/64, and 13/50 |
| Guillie's antilaireux elixir, 22/59 | Steario acid, 9/70 |
| McDougall's disinfectants, 30/37 | "Trimethol," 254/3 |
| "Murine" eye remedy, 16/45 | Vapo-Naphthol, 9/67 |

Observations and Reflections.

By Xrayser II.

The Education Bill

has been read a second time in the House of Commons, and will in all likelihood become law in due course with little material alteration. The prospect should stimulate us to an answering effort to keep abreast of the growing national sentiment as respects education, and to a consideration of the best means of profiting by the new educational facilities offered by the Bill. It is obvious that the general rise in the standard of education is both an advantage to us and a demand upon us. Opportunity means responsibility. The technical instructor will in future have a larger area of supply and a better class of material for the exercise of his function, and he will be both able to do, and morally bound to do, more with it. If the State is going to provide us with possible apprentices, as seems likely—for although the question whether the instruction given in continuation schools will be "technical and vocational, or general and liberal" is yet uncertain, there can be no doubt that it will greatly facilitate the passing of any preliminary examination we may think necessary—then we must no longer regard apprenticeship as a device for providing us with cheap labour for our own benefit, but as a wardship entrusted to us for the public good. This is not to say that we have in the past been merely selfish in our treatment of our apprentices, but certainly our sense of responsibility towards them will be greatly quickened. As regards the question of

Technical v. General Education

in the continuation schools chemists, like others, will differ among themselves. Personally I hope it will be decided in a more liberal sense than some of our legislators appear to intend, and I would urge my fellow pharmacists to use whatever influence they may have in this direction. A certain amount of instruction in special departments of knowledge—as, for instance, in bookkeeping and business economy generally—is no doubt desirable between the ages of sixteen and eighteen. The entry upon the practical work of life is then near at hand, and ought to be definitely prepared for, but the best preparation for the life of any intelligent creature is the cultivation of the mind in the widest sense: the cultivation should, that is to say, be rather extensive than intensive, if there is not time to make it both. Unless the mind has been thus *manured* over the whole extent of its capacity, its special aptitudes may be missed, and in any case technical instruction falls on comparatively barren ground.

The Modified Examination

of 1868, with the proviso then enforced that the candidate "had been for a period of not less than three years actually engaged and employed in the dispensing and compounding of prescriptions as an assistant to" a registered chemist, is much the best and simplest way of dealing with our demobilised undergraduates. I have good reason to know that this examination, though as it was used in the first year or so after the passing of the Act it was often little more than a form, and sometimes a pure farce, is a sufficient test of practical competence when rightly enforced. One of my friends who passed it in 1869 gave me an account of his experience that was worthy of comic opera, but he was himself somewhat of a *farceur*, and he struck a sympathetic cord in the humour of his examiners. Another man I knew even better, of a graver and more "painful" character, found it in the same year quite stiff enough, though he passed with ease, and virtually without special preparation. Both of these were good men in responsible positions in West-end pharmacies.

Mr. Fairweather's Suggestion

that a special general meeting should be held for the purpose of altering the by-law governing the election of a secretary comes too late. Such a meeting can indeed be held at any time if demanded

by thirty members, but the Council may allow "such reasonable time" as it "thinks fit" to elapse before summoning it, "they first giving due notice thereof." And when the by-law had been altered it would have to be "confirmed by three meetings of the said Council" before it would be binding. Now, these meetings are usually held once a month, and though the President or any five members have power to direct that further meetings shall be held if required for any special purpose, there is small likelihood of their doing so. There is even less of our winning in such an obstacle race against time, if, as we are given to understand, the appointment is to be made in June. We can but try "pressure," and I hope it will be strong and persistent, though I confess I have little hope that it will be effectual. We are a feeble folk, and the Council knows it and presumes upon the fact.

Trade Unions,

says Mr. Bernard Ellis, did not emerge from craft guilds. The point is not very important, but what I said of it is strictly true. "Trade unions arose," says Mr. George Howells, in his article on the subject in "Chambers's Journal," "out of the contests, legal and otherwise, to enforce the trade customs established by the guilds, and the provisions of the Statute of Apprentices, 5 Eliz. 4, and of other statutes subsequently passed and in force." Some of these provisions employers had tried to evade, and the workmen combined to maintain them. Mr. Ellis is equally mistaken in supposing (as apparently he does) that I am opposed to the very idea of a trade union of any kind for pharmacists. Should a feasible scheme be formulated (which at the present juncture seems to me hardly possible) I am quite ready to welcome it; my objections to the scheme of Mr. Ellis are (1) that it is not feasible, and (2) that it is undesirable. It may, however, serve one good purpose: the discussion of almost any one of its fourteen points (there are some exceptions) cannot fail to illustrate one or other of my objections to it, and will thus show what we ought not to aim at in any trade-union scheme, and what we cannot possibly achieve.

The Musk-deer,

of which you give such an interesting account from "The Far Eastern Review," was for a long time known preferably as the musk-cat, or muscat, perhaps by confusion with the civet-cat, for Marco Polo, who gives the earliest description of the animal that I know, speaks of it as "a beast of the bigness of a goat, having hair like a stag, feet and tail like a gazelle, but without horns. It hath four teeth, two above and two beneath, of the length of three fingers, and is a very beautiful creature." The "swelling" near the navel, which contains the musk, grows, he continues, at the full moon, and only at such times is the deer hunted. This is in the Province of Tangut, in the South of Tibet, near the city of the mythical Prester John, who is supposed by some to have been the Dalai Lama, by others a Nestorian, Christian prince. The real Prester John, however, was an Abyssinian potentate. Musk was at one time supposed to be a menstruous secretion of the female animal. Knivet, a companion of Cavendish in his voyage round the world begun in 1586, speaks of the musk obtained from alligators in the West Indies as equal to any. One of the best early descriptions of true musk is that given by Captain Saris in his report on the trade of the East Indies in 1614. He gives minute directions for distinguishing the best from inferior samples.

NYASALAND CHILLIES.—The acreage under cultivation of chillies in Nyasaland during 1916-17 was 650, compared with 357 in the previous year, and the value of the crop exported rose from 269*l.* to 3,133*l.*

The quantity of energy which appears as useful light is about 2 per cent. of the energy radiated from an electric glow-lamp; in the firefly it is about 96 or 97 per cent. In other words, if we could produce a highly efficient lamp the light-generating output of a dynamo would be fifty times greater than now, and 45 lb. of coal would do what a ton does to-day. The cost of lighting will not be reduced in anything like the same proportion. The cost of fuel is about one-tenth of the selling-price of the light.—*Nature*.

**BRONCHITIS, ASTHMA, COUGHS,
INFLUENZA, &c.**

"SANITAS-INHALANT"

Is now being advertised, and should be stocked
by all Chemists.

2s. 6d. BOTTLES.

*Most Effective Remedy for all Lung and
Throat Affections.*

**The SANITAS CO., Ltd.,
Limehouse, LONDON, E. 14.**

BRITISH ABSOLUTE ALCOHOL

Jas. Burrough Ltd. *D.1. Cale Distillery, Hutton Rd.,
LAMBETH, S.E. 11*

PHARMACEUTICAL FORMULAS. (9th Ed.) 10/-, by Post 10/6

ART OF DISPENSING. (9th Ed.) 596 pages. 6/-, by Post 6/5

CHEMISTS' DICTIONARY OF SYNONYMS. 2/6, by Post 2/9.

THE CHEMIST AND DRUGGIST, 42 CANNON ST., E.C. 4.

REVISED PRICES OF

SAVORY & MOORE'S FOOD.

Owing to increase in the cost of manufacture Messrs. Savory & Moore desire to give notice that the RETAIL Prices of their Food have this day (March 28) been advanced from 1/-, 2/-, 5/-, and 10/- per tin to 1/2, 2/4, 5/10, and 11/8 respectively.

The Wholesale Prices are advanced proportionately, and are as under:—

1/2 tin	...	11/3 per dozen.
2/4 "	...	22/5 " "
5/10 "	...	56/- " "
11/8 "	...	112/- " "

Subject to the usual terms.

Steps will be taken to protect the Retail Prices at the revised "face value."

143 New Bond St., London, W. 1.

March 28, 1918.

REYNOLDS & BRANSON, LTD.,

Grand Prix **LEEDS.** Turin 1911.

PHARMACEUTICAL PREPARATIONS.

Tinctures, Ointments, Pills, Tablets, Suppositories.
Standardised and Clinically Tested Galenicals, &c.

SURGICAL INSTRUMENTS.

X-Ray and Electro-Medical Apparatus, Dressings, &c.

AERATED BEVERAGES.

Sparkling Phospherrade, Puritzer, Dry Ginger Ale, &c.

SCIENTIFIC APPARATUS.

(Chemical, Physical, and Photographic). Balances and Weights.

CHEMICALS FOR TECHNICAL AND ANALYTICAL PURPOSES.

Ketchers' Concentrated Liquors,
offer a perfect alternative to the discarded
B.P. Tinctures and Syrups.

FLETCHER, FLETCHER & Co., Ltd., HOLLOWAY, LONDON, E.

Editorial Articles.

Pharmacy in the Army.

THE stock objection to the plaint for a better pharmaceutical Army service is that the middle of a great war is the wrong time for radical changes. Such an objection is particularly inept in these days, when the "combining-out" of skilled men from the Army for civilian work is the prevailing political cry. There is obviously something more behind this determined opposition to a reform that is generally admitted, and everything seems to point to the hereditary jealousy on the part of the medical profession. The doctor, military or civilian, must by hook or by crook keep "top dog," and Army and civilian doctors have always made a point of depreciating the services of qualified pharmacists and belittling the scientific value of properly trained dispensers. This attitude is astounding in the present age of specialisation, and the extraordinary thing is that it applies almost entirely to the British Army. Our Italian, French, Belgian, American, and Japanese Allies have long realised that pharmacy is an integral part of the scientific machine which means success in modern warfare. Canada, Australia, and New Zealand have honoured their pharmaceutical soldiers from the start. The Oversea Possessions did not attempt to enlist men with high pharmaceutical qualifications at the pay of private soldiers and then put them through a course of orderly work in camp hospitals or in Army dispensaries until such time as, their superiors in rank (in civil life often plumbers, railway porters, or insurance agents) being promoted to higher spheres, the pharmacists had an opportunity of rising to the rank of corporal or even to that of staff-sergeant. The Colonial pharmacist who joined the Army was put at once, with the rank of staff-sergeant, to the work he knew best, and he was well paid, as Army pay goes. True, there are some pharmacists in this country who at the beginning of the war were given 6s. a day and employed in dispensing, but the great majority were, and still are, employed as privates doing fatigue-work in dispensaries, or were not even attached to R.A.M.C. units at all. It seems incredible, but there are some pharmacists who on enlistment produced certificates of qualification in pharmacy, were first trained as R.A.M.C. privates, and then subjected to the indignity of "a course of training in dispensing." The sheer stupidity, waste, and injustice of such a system is appalling. It is certain that if pharmacists in the R.A.M.C. and in other units were only sorted out intelligently, there would be found an

abundance of qualified men available to regulate the medical stores and supplies, to do all the dispensing, and to perform all the pathological and chemical analyses required. This would leave the medical men free for their own proper work, and it would be so easy of accomplishment. It would not be difficult to parade the men, order all pharmacists to "fall out," and examine the credentials of each man claiming pharmaceutical knowledge. Instead of which we find Major and Minor men, with the best experience behind them, working cheek by jowl in dispensaries with girls holding an Apothecaries' Hall qualification, but with no other experience whatever. The Major pharmacist does the work efficiently and receives usually a private's pay, while the lady dispenser, who often finds difficulty in distinguishing chloric ether from sweet spirit of nitre, is paid 35s. a week. This indicates not only a waste of material but squandering of public money, for if a proper selection were made throughout the Army there would be no need for the poorly qualified lady dispensers. It is quite recognised that experience as a pharmacist is not alone sufficient to qualify a man for important executive rank in the Army. A certain amount of training and experience in Army methods is undoubtedly necessary, just as it is with medical men, but is there the slightest doubt that anyone with the intelligence required for success in pharmacy could not readily assimilate even the most intricate Army routine or regulation? The man in charge of all stores, pharmaceutical and medical included, is the quartermaster, and to attain this rank in the R.A.M.C. an examination in dispensing must be passed. The pre-war quartermaster's experience in dispensing was, to put it mildly, elementary, and it would be interesting to put some of these men to the practical dispensing of prescriptions sent in by the modern civilian doctor holding Army rank. Conditions have entirely changed in dispensing as in all other branches of Army work, and it has been proved during the past four years that the most efficient quartermasters are those who are primarily qualified pharmacists. By all means let pharmacy, in the Army as elsewhere, remain the handmaiden of medicine, but the stifling process which excludes the exponents of pharmaceutical service from the recognition which is their due should be peremptorily removed. The pharmaceutical branch of the R.A.M.C. should be a separate entity collaborating with and assisting medical men in the beneficial work of healing the brave fellows who are fighting our battles for us.

The Abuse of Trade-marks.

It is interesting to observe what Sir Arthur Stanley, the President of the Board of Trade, has stated to a deputation from the London Chamber of Commerce and other Trade Associations which waited upon him recently in connection with the Patents and Designs and the Trade-marks Bills introduced into the House of Commons last November (*C. & D.*, December 1, 1917, p. 43)—that these measures are regarded as war legislation, and that it is only lack of time that has prevented the House of Commons from proceeding with the Bills. He added that they are of such importance to the trading community that it would not do to leave the matters dealt with until the conclusion of the war. The most interesting part of the reply to the deputation was that in regard to Part 2 of the Trade-marks Bill, which, the President pointed out, was apparently not accurately understood by the members who had spoken. Any ambiguity in the wording would be corrected if possible before the Bill passes into law. The underlying principle of the Bill is to prevent, by the selection of a happy word which becomes a necessary part of the language, the creation of an absolute and perpetual monopoly in a manufacture. It is not intended to interfere at all with the proper use of trade-marks, but to prevent the use of marks which are now really bad in law. The people who have particularly exploited and taken advantage of the law of this country in the past have been the Germans. They have seen and have seized

the opportunity of taking advantage of the law, as they see it, to establish in many important cases what is nothing more nor less than a perpetual monopoly. Sir Arthur Stanley clearly has in mind the names of drugs the patents for which have expired but the monopoly in the manufacture of which is continued through the registration of trade-marks. He said:

Only just before this deputation came to-day, to satisfy my own curiosity, I looked into a dictionary to see how common the use of certain of such trade-marks had become. Aspirin, I found, was described as "a drug for the cure of rheumatism." What does it mean? As I understand it, it simply means that there has been established—I think wrongly—an absolute monopoly with respect to the manufacture of that particular drug. Suppose anybody had tried to compete with the manufacture of aspirin, shall we say? How were they going to do it? It could only be done by substituting another word and teaching the public that that word is exactly the same thing as aspirin. It strikes me that is a very difficult thing to do, and must inevitably lead to every conceivable kind of complication.

Although the word aspirin has now been avoided, the Minister could not have chosen a better example of the German trick of securing a monopoly in the names of drugs, and of making the British public pay extortionate prices for the drugs the manufacture of which was monopolised. This word was registered as a British trade-mark for acetylsalicylic acid by a German company in the year 1899. It was employed, like scores of other such words, as the name of the chemical, as indeed the registration shows, the description of the goods being "A pharmaceutical product for human use." The manufacture of the chemical was protected by Letters Patent granted to the German company in 1898, and the patent was revoked after a nine days' High Court trial in 1905. Although the patent was revoked, the original trade-mark registration of the German company of 1899, and the duplicate registration of the English branch of the same concern effected in 1910, were permitted to remain on the register until the year 1915, when they were both avoided by the Board of Trade. The patent created an important monopoly in the chemical aspirin, and that monopoly was built up under the name "Aspirin." As there was only one make of acetylsalicylic acid during the existence of the patent and that was called aspirin, the term became clearly established as the commercial name of the article. Some people who have given consideration to the subject of abuse of patents and trade-marks have come to the conclusion that when the patent was revoked the trade-mark should have been removed from the register of trade-marks. The Patents, Designs, and Trade-marks Registers are all under the control of the Board of Trade, but there is not and never has been any control by the Board of Trade over trade-marks corresponding with monopolies created by patents which have ceased to exist through revocation or lapse of grant. The reason for this is that there has been failure to provide legislation which would empower the Board of Trade to act. Such a case as the aspirin one is a good instance of the want of co-ordination between the Board of Trade and the High Court of Justice where a patent involving the use of a substance-name trade-mark is rescinded, as also between the Patents and Trade-marks Sections of the Patent Office where a patent lapses through other causes. The new Trade marks Bill seeks to create some improvement in this direction, but it does not go nearly far enough. It threatens to weaken such trade-mark registrations, but the penalty depends upon the action of an aggrieved person instead of, as might well be the case, the exercise of a properly constituted authority. A permanent amendment of the trade-marks law directed against the maintenance of trade-marks which are the names of substances or things which are or have been manufactured under Letters Patent, where such a claim would be unfair to commerce, is a real commercial need. One method of revising the Bill now before Parliament so as to meet this need, and at the same time to take from the Bill many contentious matters that may be not unreasonably postponed until after peace is declared, is that advocated in a former article upon the subject (*C. & D.*, January 19, p. 43).

The Price of Saccharin Tablets.

WE understand that Government arrangements are now at an advanced stage in regard to the question of fixing wholesale and retail selling prices of saccharin tablets manufactured from British-made saccharin. These prices we hope to be able to state in our next issue (see also p. 49). Existing supplies of British-made saccharin tablets will be distributed as evenly as possible by tablet-makers to their regular customers in the drug-trade. It is probable also that satisfactory arrangements will be made in regard to the amount of profit to retailers. Sir Jesse Foot, managing director of Boots Pure Drug Co., Ltd., explains elsewhere in this issue the position so far as regards his company.

The Discovery of Herapathite.

REFERRING to a note published in the "Retrospect of Fifty Years Ago" (*C. & D.*, March 16, p. 52), Dr. C. K. C. Herapath, Bristol, has written to point out that the discovery of herapathite was made by his father, Dr. W. Bird Herapath, and not by Professor W. Herapath as stated in the Retrospect note. This is quite correct, and we regret that we should have further disseminated the fifty-year-old error. There was, it appears, considerable confusion between the two Herapaths, father and son, when they were alive, as they were both distinguished analysts. Both died in the same year (1868). Herapathite is a periodide of quinine, the formation of which is used by students as a test for quinine. Iodine dissolved in alcohol is added to a solution of quinine sulphate, when crystals separate which are golden-green by reflected light and a pale olive-green by transmitted light. Dr. W. Bird Herapath announced the discovery in 1852, and stated that the salt was originally formed in a bottle of quinine-sulphate solution kept ready for dispensing through the accidental introduction of iodine. On account of curious optical properties of the crystals, Dr. Herapath applied to them the name "artificial tourmalines," the designation "herapathite" being given to them by Professor Haidinger as a compliment to the discoverer.

Supply of Tinplate to the Drug-trade.

THE MINISTRY OF MUNITIONS has agreed to accept as representing the drug-trade the Chemists and Druggists' Trade Committee for Tinplate Supplies which was formed on March 20 at a meeting held at the London Chamber of Commerce (see *C. & D.*, March 23, p. 36). This Committee is accordingly sending out a *questionnaire* to drug-trade users of tin packages, other than manufacturers of infants' and invalid foods, with a view of eliciting accurate information to place before the Ministry of Munitions. Manufacturers are required to state the weight of tinplate purchased for the ordinary purposes of the chemist and druggist trade during 1913. This can be ascertained by weighing a certain number of the packages and from that calculating the total weight, which is to be stated in hundredweights. A similar return is to be made for 1916, and information furnished as to the percentage used in export and home trade respectively, and in the case of the home trade separate items are required for amount used in direct Government contracts, priority orders, and other purposes. Estimates of stocks of tinplate and requirements for the next three months are to be given, and lastly a return of the number of workpeople employed. The users included in the return are those who employ tin packages for packing drugs, toilet articles, health salts, weed-killers, malt extract, pocket medicine-cases, etc., and manufacturers of druggists' sundries who use tinplate for making bronchitis-kettles, douche-cans, etc. We have been requested, owing to the intervention of the Easter holidays, to call special attention to the fact that the returns must be sent in by April 3 to the Secretary, Chemists and Druggists' Trade Committee for Tinplate, 1-2 Oxford Court, Cannon Street, London, E.C. Forms are being sent out at the present time, but if any user of tinplate for the purposes named does not receive a schedule steps should be taken at once to obtain one. The matter is important, as the rationing scheme which will be evolved from the statistics collected in this manner will make it practically

impossible to obtain further supplies of tinplate except through the Committee, who alone are to be entrusted with the distribution in future.

Inquiry as to Dried Milks.

THE LOCAL GOVERNMENT BOARD has issued a Report (New Series No. 116), dealing with dried milks as infants' food, which covers much ground of interest to chemists. The first portion of the Report, by Dr. F. J. H. Coutts, gives the history of dried milk (it has been a commercial article since 1868) and outlines the patented processes for its preparation, then the varieties and uses of dried milk are enumerated. Dr. Coutts has come to the conclusion that dried milk is a valuable food and one which possesses certain special advantages which are likely to lead to its use being greatly extended in the future. Dried milk can be preserved for a considerable time with practically unimpaired food-value. The variety made by spraying milk into hot air is particularly subject to change in flavour on keeping so far as the full-cream variety is concerned. This is to be regretted, as, from the point of view of capacity for reconstitution, milk made by this process is perhaps the nearest to perfection. Dried milk is not germ-free, but in varieties made by passing over rollers heated above 100° C., or manufactured by some other process after a preliminary pasteurisation, the number of bacteria contained is relatively extremely small as compared with ordinary milk, and there is no tendency towards multiplication of bacteria on keeping. The processes mentioned also destroy entirely or render less virulent any pathogenic bacteria which may have been present in the original milk. The risk, therefore, of conveyance of disease—even of tuberculosis—by dried milk is probably exceedingly small. The anticipations that dried milk can be supplied for household purposes more economically than ordinary milk have not been realised. Dr. Coutts is of opinion that when breast feeding is impossible dried milk is a very valuable food for infant-feeding, this aspect of the matter being discussed at considerable length. The directions for use employed at the Leicester Infants' Milk Depot are reprinted. Dealing with the administrative considerations, Dr. Coutts mentions the addition to dried milk of sodium bicarbonate, sugar, and foreign fats, which are added with definite objects, and contends that the uses to which the milk is put would probably determine the verdict of the desirability of such additions. As an alternative to laying down standards for full-cream and half-cream milk powders it might be sufficient to allow a declaration of the percentage of milk-fat to be made on the label. Control at the factories would be better than laying down a bacterial standard. The appendices deal with the bacteriological and chemical examination of milk powders.

At the Counter.

A MADRAS ORDER for a well-known proprietary food runs, more or less phonetically, as follows: "Are likus mall ded milk."—(133/17.)

FROM THE WEST COUNTRY.—Mentebated spirit; Lick yur Hur Rester; popper's Head; cream Tater; Tater asad; cithalated soda; cast-carioa; Tinture of Giouquum; s s anointer.

FROM CALEDONIA STEEN AND WILD: Dinter of Mar; Vans Turpuine; rasesholl salts; McNizia; Herringbones Seeds; Duke of Lyptus Oil; camawine fleur for a swalling; Poother for a haddick.

THEY LEAVE IT TO YOU.—A pleasing confidence in the pharmacist is implicit in the following prescription, handed in at a Birmingham pharmacy by a hospital patient: Lanolin., 3ij., p. g. acac. 5j., aq. q.s.

"A BOTTLE OF COMEDIAN to rub on mother's arm," said a small boy. The lady assistant was nonplussed until the manager, to whom she appealed, suggested Chameleon oil. This happened at a Manchester pharmacy.

"FROM THE NEW CUT" SYMPHONY: Magazine Powder; Idirene; face Ruoge (Carmel); susphur figs; Nutgoil Ointment For the poils; tincture of Ecapescom; quiecnion Pouders; Two Penneth of Oil wot you rub your belly with.

Associations' Winter Session.

Birmingham.—The local Section of the Society of Chemical Industry met on March 21 at the Birmingham University Buildings. A paper was read by Mr. W. Clifford on *The Utilisation of Waste Nessler Solution*, describing the recovery of the mercury by the aid of iron and the process for rendering the iodide-content available. A paper was also read by Mr. G. S. Heaven, B.Sc., on *Mercury Fulminate*, dealing with its preparation, reactions, and estimation.—A smoking-concert and social evening was held at the Imperial Hotel by the Birmingham Pharmaceutical Association on March 20, the attendance numbering about eighty members and friends. An excellent programme of songs and recitations was contributed by Mrs. Campbell, Misses Corfield, Freeburn, Florence Griffiths, and Elsie Shaw, Mr. Heal, and Mr. Whitley; Mrs. Whitley accompanying at the piano. In the interval Mr. Mills addressed the meeting on behalf of the Birmingham Chemists' Field Ambulance Volunteer Corps, giving a short history of the movement and emphasising the advantages which would accrue if a sufficient number of pharmacists would answer the call.—About seventy pharmacists and other members of the Birmingham Pharmaceutical Association attended a meeting held at the Imperial Hotel on March 25. The President (Mr. H. Buckingham) occupied the chair, and Mr. H. H. Marshall, Secretary of the Minimum Prices Committee, presented a report dealing with the work of the Committee since its inception two and a half years ago. Among other details, he mentioned that 320 lists were sent out monthly to 230 firms, and that the Committee worked in agreement with the Grocers' Association, the Drysalts' Association, and certain large supply stores. He also explained why in some cases it was impracticable to raise prices to the level desired by some members. The meeting expressed its desire that the scheme should be continued on the same lines as hitherto.

Bolton.—The monthly meeting of the Bolton Pharmacists' Association was held on March 14, the President in the chair. It was decided to ask the Pharmaceutical Committee to arrange with the doctors to suppress the use of the word "conc." in Insurance prescribing, owing to the confusion that arises from such use. A resolution submitted by the Face Values Committee was passed, and a voluntary levy of 1s. per head will be made towards the expenses of that Committee.—On March 6, at the invitation of Councillor Knott, the members and their wives paid a visit to the Corporation electricity-works. The Vice-Chairman of the Electricity Committee and the engineer (Mr. Wood) showed the visitors everything, from taking in the coal to the distribution of the finished product, and a most interesting afternoon was spent.

Eastbourne.—A meeting of the Eastbourne Pharmacists' Association was held at 2A Terminus Buildings last week, Mr. Walter Price in the chair. The members present decided to continue to close at 7 P.M. after March 24 to September 29. Repeat scripts of Part 1 poisons were found to be universally registered. The title "chemist" was discussed, and the Secretary was requested to write to the Pharmaceutical Society and impress upon the Council what an important asset this title is, and that it should be most strenuously guarded. On account of the great increase in the general expense attached to business and the extra cost of living, the Secretary was requested to write to the Local Associations Executive Committee regarding the necessity of taking immediate steps to increase the inadequate remuneration for National Health Insurance dispensing.

Irish Assistants.—The monthly meeting of the Irish Chemists' Assistants' Association (Cork Branch) was held in their rooms, St. Patrick's Hill, on March 13, Mr. O'Connor in the chair. The principal business was to select delegates to attend an executive meeting of the different branches to be held in Limerick on March 17. Mr. O'Sullivan and Mr. Burke were unanimously selected. The correspondence showed that in the future the officers of the branch hoped to have a complete set of materia medica specimens for the use of members studying for the Final examination. The membership of the Association, it was reported, is still growing.—A meeting of the Executive of the Irish Chemists' Assistants' Association was held in Limerick on March 17. Delegates from Dublin, Cork, and Limerick were in attendance. Mr. P. Coffey, Ph.C. (Limerick), was in the chair, and mentioned that a new branch had been formed at Sligo. The apprentice question, salaries, and hours of employment, also Sunday work, were the principal items discussed.

Lancaster.—The annual meeting of the Lancaster Pharmacists' Association was held on March 25, the President (Mr. F. N. Whitehead, Morecambe) in the chair. Satisfactory reports were presented by both the Secretary (Mr. Shattock) and Treasurer (Mr. Bate), showing twenty-eight members and balance in hand better than the previous year. The question of *Face-values* was discussed, and a resolution adopted supporting the action of the Face Values Committee in endeavouring to obtain patent medicines and proprietary articles at face-value, accompanied by sufficient and adequate profits, and expressing approval of the efforts to get the support of all the multiple stores to the scheme, promising the P.A.T.A. to work in harmony and to try to strengthen the position taken up. The Secretary gave an account of his visit to the Progressive Pharmacy Club, which was much appreciated. The following officers were elected: *President*, Mr. H. Troughton, chemist, Market Street, Lancaster; *Vice-President*, Mr. F. N. Whitehead, Morecambe; *Treasurer*, Mr. A. Bate; *Secretary*, Mr. J. B. Shattock, Prospect Street Pharmacy, Lancaster; *Auditor*, Mr. A. T. Maxwell; *Committee* (with the officers), Mr. J. Vince, Mr. R. S. Angus.

Leith.—At the last meeting of the Leith and District Pharmacists' Association it was agreed to call for an election of the North British Branch Executive this year, and to nominate and support Mr. A. Currie (Leith) and Mr. J. Muir (Edinburgh). Mr. W. W. Brown, Hon. Secretary of the Edinburgh Association, read a paper on *Pharmacy as it is and as it might be*, pointing out the need for a Federation of Scottish pharmacists to look after the commercial side of pharmacy, and briefly outlining a scheme for its formation. After a full discussion, a resolution was carried pledging the members to support such a Federation and pressing for a conference of Scottish local Associations to consider the question. A resolution was also carried in favour of face-value for proprietary articles with a minimum retail selling profit of at least 25 per cent. when purchased from wholesalers; and that better terms be demanded for direct purchases and for window-shows. A *plebiscite* is to be taken on the question of eight-o'clock closing on Saturdays. Messrs. Currie and Nisbet were appointed delegates to a conference in Glasgow for the federation of Scottish pharmacists.

London County.—A meeting of the Executive Committee of the London County Pharmaceutical Association was held at 17 Bloomsbury Square, W.C., on March 19, Mr. A. R. Melhuish (President) in the chair, when a resolution from the South-West London Pharmacists' Association concerning the sale of foods usually supplied by chemists was considered, and after some discussion it was decided to refer the matter to the Trade Section for consideration, and to forward a copy of the resolution to the Pharmaceutical Council. Mr. E. A. Atkins has retired from the Executive, being engaged on military duties. His resignation was received with much regret, and he was accorded the Committee's thanks for the valuable services rendered by him during his period of office. The Secretary gave a *précis* of the circular letter received from the Face Values Committee. Mr. Wolff then explained the points in the circular, and after some discussion the Committee expressed sympathy with the principle of "face-value" for proprietary articles. Mr. Keall supplied information concerning the duties of the liaison officers of the P.A.T.A., and stated that the number of nominations should be left to the discretion of the District Associations. During the discussion exception was taken to the title "liaison officer," and it was suggested that some other title should be used, such as "assistant local secretary of the P.A.T.A." A very animated and protracted discussion took place on the Election Sub-Committee's report, which recommended the adoption of Mr. J. Keall and Mr. A. R. Melhuish as the official candidates to be supported by the London District Associations, and that a notification should be sent to each Local Association throughout the country asking for their co-operation and support. The report was adopted, one member dissenting. The question as to the advisability of supporting one or more country candidates was referred to the Election Sub-Committee. The report of the Organisation Sub-Committee was adopted. It stated that the District Associations were in favour of "face-value" for all goods on the P.A.T.A., and recommended that an "open" meeting should be held by each District Association during April for the discussion of members' own business problems, doubts, and difficulties. The report of the Pharmaceutical Insurance Sub-Committee was received and adopted.

Merthyr.—A meeting of the Merthyr Pharmacists' Association was held on March 12. Mr. T. Jenkins in the chair. Miss Morris, the local Insurance checker, attended, and gave a lucid and clear account of her work. Several questions were put to her and answered satisfactorily. The

Chairman, on behalf of the members present, tendered thanks. The deputation which had waited upon the local grocers who dealt in patent medicines reported that all the traders interested had promised to uphold any action taken by the Association. A letter was also read from the Dublin Retail Druggists' Association regarding profits on proprietaries, and the Secretary was directed to write to various firms as suggested. A vote of congratulation and good wishes was passed to Mr. Woolcock.

West Ham.—The annual meeting of the West Ham, East Ham, and Metropolitan Essex District Association of Pharmacists was held at Earlham Hall, Forest Gate, London, E., on March 21, the President (Mr. F. W. Gwinn) presiding. A discussion took place regarding a circular from the Face Values Committee, and a resolution was carried unanimously approving of the objects of the Committee. The Secretary then gave his report for the year just ended, which was accepted and passed. The balance-sheet showed a decrease of 8l. 16s. 7d. in the funds, and the Committee was asked to look into the matter of the finances of the Association. The following officers were then elected: *President*, Mr. Jas. Kirkpatrick; *Vice-President and Hon. Secretary*, Mr. A. Catto; *Treasurer*, Mr. Evans; *Committee*, Messrs. Gwinn, Johnson, Lloyd, Matthews, Mercer, Potter, and Soper; *Auditors*, Messrs. Matthews and Blades. Votes of thanks concluded the meeting.

Wolverhampton.—At the meeting of the Wolverhampton Chemists' Association on March 23—Mr. E. H. Bowdler (President) in the chair—it was decided to supply all members in business with a copy of "War Emergency Notes." It was also resolved to restrict sales of methylated spirit to medicinal uses. Satisfaction was expressed that Guy's Tonic has been placed on the P.A.T.A. list, and the Secretary was instructed to write to several proprietary-owners who have not yet joined the P.A.T.A. The Association determined to support the action of the Face Values Committee, and all the members present subscribed towards its expenses. Various other trade matters were discussed.

March Drug Tariffs.

For England and Wales.

The following are the alterations for March in the Drug Tariff issued by the National Health Insurance Commissioners for England and Wales:

Lower: Argent. nucleinas, 3s. 10d. oz.; menthol, 1s. 3d. oz.; phenacetin, 3s. 4d. oz.; phenolphthalein, 4s. 9d. oz.; syrupus, 11d. lb.; tab. phenacetin, gr. v., 5.76d. per doz.; tab. phenacetin, co., B.P.C., 6.09d. per doz. *Higher:* Acetanilidum, 7s. lb.; acetum scillae, 10d. lb.; acid. benzoic. (synthetic), 2s. 1d. oz.; acid. hydrobrom. dil., 1s. 11d. lb.; acid. tartaric., 4s. 1d. lb.; adeps benz., 2s. 8d. lb.; adeps præp., 2s. 5d. lb.; aloinum, 8d. oz.; ammon. brom., 8s. 6d. lb.; ammon. carb., 2s. 6d. lb.; ammon. chlor., 1s. 3d. lb.; amylum (maize), 1s. 1d. lb.; aq. carui, 7d. lb.; aq. chlorof. (ex conc.), 10s. lb.; aq. menth. vir., 61d. lb.; aq. rosæ, 1s. 5d. lb.; aq. sambuci (simp.), 8½d. lb.; calc. hypophosph., 5½d. oz.; camphora (flowers), 5s. 9d. lb.; chloroform. camph., B.P.C., 8s. 6d. lb.; collod. vesicans, 23s. 6d. lb.; conf. guaiaci co., B.P.C., 3s. 2d. lb.; conf. piperis, 3s. 10d. lb.; creosotum, 1s. 10d. oz.; dec. senegæ (ex conc.), 5s. 8d. lb.; emp. ammoniaci c. hydrarg. (16 in. wide), 9.00d. per sq. ft.; emp. belladon., 1.08d. per 16 sq. in.; emp. calefac., 0.75d. per 16 sq. in.; emp. hydrarg. (16 in. wide), 9.00d. per sq. ft.; emp. picis, 4.00d. per sq. ft.; emp. plumbi, 3.50d. per sq. ft.; emp. resinæ, 2.50d. per sq. ft.; emp. saponis, 4.00d. per sq. ft.; ext. aloes pulv., 4s. lb.; ext. casc. sagr. sicc., 10s. lb.; ext. casc. sagr. liq., 3s. 2d. lb.; ferri et pot. tart., 5s. 3d. lb.; hexamina, 9s. 6d. lb.; inf. krameriæ (ex conc.), 2s. 10d. lb.; inf. senegæ (ex conc.), 5s. 4d. lb.; lin. aconit. meth., 3s. 8d. lb.; lin. camph. am. meth., 3s. 5d. lb.; lin. chlorof., 7s. 2d. lb.; lin. hydrarg., 5s. 3d. lb.; lin. opii meth., 8s. lb.; lin. sap. meth., 2s. 1d. lb.; lin. terebinthina, 2s. 3d. lb.; lin. tereb. acet., 4s. 2d. lb.; liq. am. acet. conc., 3s. 4d. lb.; liq. cresol. sap., 2s. 1d. lb.; liq. formaldehyd., 2s. 7d. lb.; liq. guttapercha, B.P.C., 9s. 6d. lb.; liq. hamamelidis, 2s. 4d. lb.; morph. acet., 3s. 4d. dr.; morph. hydrochl., 20s. oz.; ol. amygdale, 4s. 3d. lb.; ol. caryoph., 22s. 6d. lb.; ol. croton., 11d. oz.; ol. lini, 7s. 6d. gal.; ol. menth. pip. (redistilled), 27s. 6d. lb.; oxymel scillae, 1s. 11d. lb.; papav. capsulæ ang., 7s. 2d. per 100; paraff. liq., 2s. 6d. lb.; paraff. mol. (flav.), 10d. lb.; pepsin, 3s. 4d. oz.; podoph. res., 3s. oz.; pot. brom., 10s. 9d. lb.; pot. tart. acid., 4s. 3d. lb.; pulv. cretæ aromat., 1s. 9d. lb.; quin. hydrochlor., 6s. 4d. oz.; quin. sulph., 4s. 7d. oz.; sacc. lact., 4s. 7d. lb.; salicin., 3s. 10d. oz.; sodii benz., 2s. 1d. oz.; sodii brom., 5s. 8d. lb.; sodii et pot. tart., 1s. 11d. lb.; sodii hypophosph., 6d. oz.; sodii phosph., 1s. 5d. lb.; sodii phosph. acid., 3s. lb.; spt. juniperi, 15s. 3d. lb.; stramon. fol., 1s. 9d. lb.; strychn. hydrochlor., 7s. 6d. oz.; sulphur præcip., 1s. 2d. lb.; sulphur sublim., 6½d. lb.; syr.

chloral, 5s. 3d. lb.; syr. ferri phosph. c. quin. et strychn., 2s. 4d. lb.; syr. glycerophosph. co., B.P.C., 3s. 7d. lb.; syr. hypophosph. co., B.P.C., 1s. 10d. lb.; tab. thyroid gland, gr. ij., 1.14d. per doz.; ditto, gr. v., 1.98d. per doz.; thyroid. sicc., 3s. 6d. oz.; tr. aconiti, 0s. lb.; tr. camph. co., 4s. 6d. lb.; tr. capsici, 4s. 6d. lb.; tr. chlorof. et morph. co., 10s. lb.; tr. chlorof. et morph., 85s. 3d. lb.; tr. cinchon. co., 6s. 4d. lb.; tr. digitalis, 5s. 3d. lb.; tr. scillae, 4s. 6d. lb.; ung. acid. boric., B.P., 1s. 7d. lb.; ung. acid. salicyl., 2s. 3d. lb.; ung. bellad., 1s. 8d. oz.; ung. glyc. plumbi subacet., 2s. 6d. lb.; ung. hydrarg., 4s. 9d. lb.; ung. hydrarg. co., 5s. lb.; ung. hydrarg. iod. rubr., 4s. lb.; ung. hydrarg. oleat., 4s. lb.; ung. hydrarg. oleat. rubr., 3s. lb.; ung. paraffin. flav., 1s. 3d. lb.; ung. picis liq., 2s. 2d. lb.; ung. pot. iod., 5s. 6d. lb.; ung. staphisagria, 3s. 10d. lb.; ung. sulphuris, 2s. 8d. lb.; ung. zinci, 2s. 6d. lb. Bandages, india-rubber (elastic web): 2½-in. 7.75d., 3-in. 8.75d. per yd. Lints, unmedicated: 1 oz. 4.25d., 2 oz. 8.00d., 4 oz. 14.50d. Wool, cotton: 1 oz. 3.00d., 2 oz. 5.50d., 4 oz. 10.50d.

For Scotland.

The following are the prices in the revised Tariff issued for March:

Name.	oz.	dr.	Name.	oz.	dr.
	s. d.	s. d.		s. d.	s. d.
Acetanilid. ...	0 10	0 1½	Phenacetin. ...	4 8	0 8
Acid. acet. glac. ...	0 6	0 1	Phenolphthalein. ...	6 8	0 11½
Acid. acet. sal. ...	2 1½	0 4	Plumbi acet. ...	0 3	0 0½
Acid. benzoic. ...	2 11	0 5	Podoph. resin. ...	4 2½	0 7½
Acid. tannic. ...	1 7	0 3	Pot. brom. ...	1 0	0 2
Acid. tartaric. ...	0 4½	0 1	" tart. ...	0 10½	0 1½
Adeps ...	0 3	0 0½	" acid. ...	0 5	0 1
Æther pur. ...	0 4½	0 1	Quin. hydrochlor. ...	8 10½	1 3½
Aloin ...	0 11½	0 2	" hyd. acid. ...	9 10	1 5
Ammon. benz. ...	3 6	0 6	" sulph. ...	6 5	0 11
Ammon. brom. ...	1 0	0 2	Sacch. lact. ...	0 5	0 1
Amylum ...	0 1½	0 0½	Salicin. ...	5 4½	0 9½
Bismuth. carb. ...	1 8	0 3	Sapo moll. ...	0 5	0 1
Bismuth. oxid. ...	2 7	0 4½	Sod. tart. ...	0 2½	0 0½
" salicyl. ...	2 4	0 4	" arsen. ...	0 8½	0 1½
" subgall. ...	2 7	0 4½	" benz. ...	2 11	0 5
" subnit. ...	1 7	0 3	" brom. ...	0 6½	0 1
Calc. glyceroph. ...	2 1½	0 4	" hypoph. ...	0 8½	0 1½
" hypo. ...	0 8	0 1½	" iodic. ...	2 7	0 4½
Camphor ...	0 6½	0 1	" phos. ...	0 2	0 0½
Chloramidum ...	6 8	0 11½	Sp. am. arom. ...	0 5	0 1
Chlorof. camph. ...	1 0	0 2	" chlorof. ...	0 7½	0 1½
Codeina phosph. ...	—	8 1	" juniper. ...	1 3½	0 2½
Collod. flex. ...	0 6½	0 1½	Strychn. hyd. ...	1 gr. 1d.	
Collod. vesic. ...	2 7	0 4½	Sulphonal ...	9 4	1 4
Conf. guaiac. co. ...	0 3½	0 0½	Sulph. præcip. ...	0 1½	0 0½
" piperis ...	0 4½	0 1	Syr. chloral. ...	0 7	0 1
Copaiba ...	0 11½	0 2	" ferri phos. ...		
Creosotum ...	2 7	0 4½	quin. c. strychn. ...	0 3½	0 0½
Emulsio petrol. c. ...			" glyc. co. ...	0 5	0 1
" hypo. ...	0 2½	0 0½	B.P.C. ...	0 3	0 0½
Ext. aloes ...	0 6	0 1	" senegæ ...	0 3	0 0½
" cascar. sag. ...	1 2	0 2	Theob. sod. sal. ...	5 4½	0 9½
" sic. ...	0 3½	0 0½	Tab. phenacet., ...	8d. doz.	
" cascar. liq. ...	—	0 6	B.P.C. ...	8d. doz.	
" ergot. ...	0 7	0 1	" phenacet. ...	8½d. doz.	
" ergot. liq. ...	0 5	0 1	co., B.P.C. ...	4 11	0 8½
" glycyrrh. liq. ...	1 3	0 2½	Thyroid. sicc. ...	0 6	0 1
" vibur. liq. ...	0 5	0 1	Tinct. aconit. ...	0 6½	0 1
Ferri am. cit. ...	0 6	0 1	" cinchon. co. ...	0 6½	0 1
Ferri tart. ...	0 8½	0 1½	" chlor. et ...	0 10	0 1½
Glyc. acid. boric. ...	0 7	0 1	morph. co. ...	0 5½	0 1
" acid. carbol. ...	0 10	0 1½	" digital. ...	0 6½	0 1
" acid. tann. ...	0 7	0 1	" hyos. ...	0 7½	0 1½
" boracic. ...	0 9	0 1½	" lobel. æth. ...	0 6½	0 1
" pepsin. ...	16 10	2 5	" zingib. ...	4d. doz.	
Guaiacol carb. ...	1 1½	0 2	Troch. acid. tan. ...	4d. doz.	
Hexamina ...	0 4	0 1	" pot. chlor. ...	2 4	0 4
Lin. aconit. meth. ...	0 4½	0 1	Ung. belladon. ...	0 3	0 0½
" camph. ...	0 10	0 1½	" plumb. subac. ...	0 5½	0 1
" chlorof. ...	0 7	0 1	" hydrarg. ...	0 4	0 1
" hydrarg. ...	0 10½	0 1½	" hydrarg. am. ...	0 5½	0 1
" opii ...	0 2½	0 0½	" hydrarg. co. ...	0 4½	0 1
" sapo. meth. ...	0 4½	0 1	" hyd. iod. rub. ...	0 4½	0 1
" terebinth. acet. ...	0 4½	0 1	" hyd. oleat. ...	0 4½	0 1
Liq. am. acet. con. ...	0 3½	0 0½	" hydr. ox. rub. ...	0 2½	0 0½
(1-7) ...	0 3½	0 0½	" picis liq. ...	0 6	0 1
" cresol. sap. (lysol), 3s. 6d. pint. ...	0 3	0 0½	" pot. iod. ...	0 4½	0 1
" formaldehyd. ...	0 3	0 0½	" staphisag. ...	0 3	0 0½
" gutta percha, ...	1 1½	0 2	" zinci ...	0 4	0 1
B.P.C. ...	0 2½	0 0½	Zingib. pulv. ...	0 4	0 1
" hamamelid. ...	1 3½	0 2½	Emp. am. c. hydrarg., calefac., ferri, ...		
Lith. carb. ...	1 2	0 2	hydrarg., picis, plumbi, resin., ...		
" cit. ...	0 3	0 0½	saponis, 6d. per sq. foot or less ...		
Mag. sulph. eff. ...	1 9	0 3	spread on calico		
Menthol ...	8 10½	1 3½	Bandages. — Elastic web, 2½-in. ...		
Methylsulphon. ...	—	4 8	10½d. yd., 3-in. 1s. yd. ...		
Morph. acet. ...	1 6½	0 3	Lints, surgeon's, 1 oz. 6d., 4 oz. ...		
" hydrochlor. ...	0 4½	0 1	1s. 7d., 1 lb. 5s. 4d.; boric, ...		
Naphthol ...	2 7	0 4½	2 oz. 7d., 1 lb. 4s. ...		
Ol. amygd. ...	1 3½	0 2½	Cotton-wool, 1 oz. 4d., 4 oz. 1s. 2d., ...		
" caryoph. ...	3 2½	0 5½	1 lb. 4s. ...		
" croton. ...	0 3	0 0½	Boric-wood, 4s. lb. ...		
" menth. pip. ...	0 3	0 0½	Alembroth-wood, 4s. lb. ...		
" oxymel scillæ ...	4 8	0 8	Adhesive plaster on holland, 6d. ...		
Pepsinum ...	—	—	sq. ft.		

Pharmaceutical Society.

North British Branch.

THE second evening meeting of the session was held at 36 York Place, Edinburgh, on March 20, Mr. David Gilmour presiding.

The first communication was by Mr. HENRY STOUT, Ph.C., on

THE ASH-TEST FOR HONEY.

Mr. Stout called attention to the limit for ash (0.25 per cent.) laid down in the British Pharmacopœia for mel depuratum, and the further requirement that the solution of the ash in water should not be alkaline to litmus. Every sample of ash which the author has examined has given a distinct alkaline reaction with litmus. The samples were of Cuban, Californian, Irish, and Scottish honey. Attention was especially directed to the remarks in Squire's "Companion to the Pharmacopœia" regarding honey, in which it is stated that the B.P. requirement as to non-alkalinity of the ash of honey "is evidently an error," as it would exclude genuine honey and mark a preference for adulteration with starch or invert sugar.

In the discussion, Mr. DOTT said that one would expect to find potassium salts present, and that the ash would be alkaline. Dr. WATT pointed out that the phraseology of the statement in the Pharmacopœia was a little suggestive of confusion. Mr. LOTHIAN said there is a tendency to attach far too much importance to a mere ash-test. Mr. RUTHERFORD HILL remarked that the artificial feeding of bees had considerable influence on the honey. The CHAIRMAN emphasised the importance of the flavour and taste as guarantees of purity to those experienced in handling honey. Dr. HENRY E. WATT then read a note on

THE SALTS OF CRYPTOPINE.

Cryptopine was first observed in 1867 by Mr. Jas. Smiles, of T. & H. Smith, as a crystalline body in some crude opium mother-liquors that had been put away for a time in a cellar. The alkaloid is more abundant in Indian and Persian opium than in Turkey opium. It is probably present to the extent of less than 0.3 per cent. in Indian opium. It gives a blue colour with sulphuric acid, and hence if present in morphine is embarrassing to the manufacturer. Specimens of the hydrochloride, nitrate, and sulphate were exhibited, and attention was called to the property these salts possess of forming solid jellies in dilute aqueous solution. Possibly someone may be able to throw light on why these solutions gelatinise.

Mr. DOTT said the whole subject of the crystallisation of alkaloids is obscure. Mr. BOA, referring to Dr. Perkin's work on cryptopine, wondered if it had any practical value. Mr. LOTHIAN asked how gelatinising salts are crystallised. Dr. WATT, in reply, said the crystallisation of alkaloids is often inhibited by a small trace of impurity. Cryptopine was not of any great practical use, but more of a nuisance to the morphine-maker than anything else. The salts can be crystallised from strong solutions.

Mr. R. W. GARROW, Ph.C., then read a paper on

CAMMIDGE'S METHOD FOR THE ESTIMATION OF SUGAR.

Dr. Cammidge, in "The Lancet," advocated a modification of Benedict's test for sugar in urine (*C. & D.*, September 15, 1917, p. 38) which is ten times more sensitive than Fehling's solution. Mr. Garrow explained the reactions which are involved in the method, and described tests which he had made to discover the accuracy of the method. Attention was called to an opalescence and a precipitate which occur before the return of the blue colour, which may influence the reading of the end-reaction.

In the discussion, Mr. CURRIE referred to the utility of potassium cyanide, as in Gerrard's modification of Fehling's solution, in keeping the cuprous oxide in solution. Dr. WATT wondered whether some interfering substance may not be the cause of the return of the blue colour referred to. Mr. LOTHIAN preferred Pavy's solution. Mr. RUTHERFORD HILL remarked that sodium-thiosulphate solution is not so rapidly decomposed as is commonly thought.

Mr. J. RUTHERFORD HILL, Ph.C., then read a paper on

FOOD-WASTAGE IN POTATO-COOKING.

The water in which potatoes are boiled contains 70 per cent. of the saline constituents of the potato, and if the water is thrown away valuable anti-scorbutic salts are lost. This waste can be prevented by utilising the liquid as a basis for soups, or in place of milk for making scones. In America the liquid is largely used in outlying districts to

disintegrate the dried yeast-cakes and start fermentation in bread-making. There is an analogous wastage of valuable foodstuff in cooking many other vegetables, which should be avoided.

The CHAIRMAN said the potatoes had probably been peeled before boiling, which should never be done. Mr. LOTHIAN advocated steaming in a Papin digester, when practically no loss results. Mr. STOUT said he was informed that the American uses of potato-liquor are really an old English custom. Mr. BOA said the idea of throwing away the water was that the skins contained injurious constituents, and the belief has evidently been extended to peeled potatoes.

Votes of thanks were given to the readers of the papers.

Faculty of Insurance.

THE ANNUAL MEETING of the Faculty of Insurance was held last week at the Central Hall, Westminster, London, S.W. In the course of the proceedings, Mr. P. F. Rowsell was invited to speak on chemists' work under the National Insurance Acts. He remarked that a speaker at the Conference, in giving a list of those who were engaged in the service of National Insurance, omitted from that very important list the 10,000 chemists who had given a very willing and very acceptable amount of service to this country during the last five years. He (Mr. Rowsell) was inclined to think he was right in assuming that that service had been of an exceedingly satisfactory character. It had been the desire of the chemist to place his ability, skill, and knowledge in every way possible at the service of the insured person, and he (Mr. Rowsell) was looking forward beyond the proposed Ministry of Health to a much wider sphere for the utilisation of the chemists of this country. He looked forward to the co-ordination of the Pharmaceutical Committees, when there should be no dispensing establishment—whether it be a chemist's shop or a hospital, or any other place where dispensing was carried out—that should not be under the complete control of a fully qualified chemist. It was essential that the qualification of a chemist should be recognised in this way, and he was bound to say that with the special knowledge which experts were now obtaining in bacteriology, analytical work, and work of that character, there was a great niche for the use of the chemists under the proposed Ministry of Health. They would find—he was sure he might say this on behalf of the craft to which he belonged—that the chemists would be only too pleased to have a chance of showing, under the Ministry of Health, that they were capable of rendering to the State a much greater service than they had been able to do in the past. Lord Rhondda afterwards addressed the meeting on the proposed Ministry of Health, a Bill for the constitution of which is to be introduced into the House of Commons after Easter. He said the Local Government Board and National Health Insurance should never have been separated, and the sooner they were brought together again the better. One of the functions of the Ministry of Health would be to see that every town had a maternity centre and a clinic, and that the whole industrial population was provided with a great nursing service. Sir Edwin Cornwall, M.P. (Chairman of the National Health Insurance Joint Committee), subsequently addressed the Conference on "National Insurance—Past and Future." He stated that in the last five years there had been distributed in sick and disablement benefit approximately thirty-four million pounds; in maternity benefit, six and a half millions; in medical services and drugs, twenty-five millions; in sanatorium benefit, four and a half millions; making a total of seventy millions. In addition, forty millions had been ingested, making a total of 110 millions.

PEROXIDE OF HYDROGEN is being used for treating worm-eaten furniture. It does not destroy the polish.

SHOREDITCH chemical and surgical-instrument trades raised, it is estimated, upwards of 70,000*l.* in the recent "Tank" collection in the borough.

AS A CONSEQUENCE of the paper shortage the Lancashire Insurance Committee have been recommended by the Finance Committee to dispose of used prescription-forms for conversion into pulp for paper-making.

THE SIMPLIFIED SPELLING SOCIETY inform us that the American Institute of Mining Engineers have determined to spell sulphur "sulphur." Plenty of people spell it in this way at present judging by the curious orders which retail chemists receive.

Trade Report.

42 Cannon Street, E.C. 4, March 27, 3 p.m.

BUSINESS, in view of the approaching Easter holidays, has been quiet, and up to the time of closing for press on Wednesday morning there were few movements of importance to record. All interest has been centred this week in the titanic struggle on the Western Front, where our gallant soldiers are putting up a most stubborn resistance against overwhelming superiority in number. The few market changes include an advance in santonin. Methyl salicylate and phenolphthalein are dearer and scarce. Japanese camphor, balsam Canada, and terpineol are also higher. Acetanilide, copaiba, cream of tartar, menthol, and tartaric acid are firmer. British-made saccharin has been distributed to the tablet-makers, and prices are easier. Shellac is cheaper. Speeding-up of work in munition-factories may lead to less raw materials being released to makers of salicylic acid, aspirin, phenacetin, and phenazone, and as very few imports are taking place these markets may be affected later. British makers of quinine are able to offer at favourable prices.

Higher	Firmer	Easier	Lower
Arrowroot	Acetanilide	Agar-agar	Arsenic
Balsam Canada	Benzoates	(c.i.f.)	Caffeine
Camphor	Copaiba		(pure)
(Jap. ref.)	Cream of		Saccharin
Canary-seed	tartar		Salol
Cassia lignea	Ginger		Shellac
Fenugreek-seed	Menthol		
Methyl	Pimento		
salicylate	Tartaric acid		
Phenol-			
phthalein			
Santonin			
Terpineol			

ACETANILIDE.—It is now difficult to find sellers at 5s. 6d., the principal holders asking 5s. 9d. per lb.

AGAR-AGAR.—Easier prices are quoted to arrive, with sellers of No. 1 Kobe strip at 3s. 9d. c.i.f. for February-April and 3s. 8½d. c.i.f. for March-May shipment. The exports from Japan and the destinations during the past three years have been as follows:

	1915	1916	1917
	Kin	Kin	Kin
China ...	338,671	478,669	693,387
Hong-Kong ...	285,876	344,959	275,799
Straits Settlements	69,817	122,564	114,675
Dutch E. Indies ...	355,862	392,454	239,143
Asiatic Russia ...	82,332	152,396	877
Great Britain ...	383,734	325,461	226,244
France ...	229,666	327,296	93,209
United States ...	225,455	421,824	237,454
Other countries ...	231,890	220,087	236,104
Kin ...	2,207,613	2,785,710	2,106,942
Yen ...	1,706,064	2,446,862	1,954,983

AMMONIA SULPHATE.—Home trade price is 16l. 7s. 6d. per ton delivered net cash, or 10s. less at works, for March-May delivery. It is difficult to satisfy the large demand for agricultural purposes, and makers hope to obtain better fixed prices later owing to the increased cost of manufacture.

ANISE has been sold at 77s. 6d. per cwt. for fair Russian, being steady.

ANISE OIL, STAR.—Sales of "Red Ship" afloat have been made at 4s. per lb. c.i.f., and the spot price is 4s. 4d. to 4s. 4½d.

ANTIMONY.—Chinese crude has remained a dull market, and chemical manufacturers evince little interest at the moment, while fair lots of spot are still obtainable cheaply at around 43l., although some sellers quote 45l. to 46l. Forward shipment is virtually a dead letter. Italy requires good quantities of regulus, and pays full prices willingly for direct shipment from Japan at about 90l. c.i.f. for April shipment. Importers here have raised their terms for white oxide of antimony for forward shipment from China to 56l. c.i.f. U.K., no permit being required for importation.

ARROWFOOT is dearer, with spot sales of St. Vincent at from 1s. 1½d. to 1s. 1¾d.

ARSENIC.—It is reported that white powdered foreign has been sold lately down to as low as 126l. delivered London, and the market quotations are unusually wide. There are

still a few cheap sellers out of recent consignments at about 130l., although up to 140l. and even more is being asked elsewhere. The high prices are undoubtedly telling on the market through the acceleration of new supplies.

ASPIRIN is unchanged at from 12s. 6d. to 13s. per lb., as to quantity, but the English makers are beginning to find a readier sale in view of the falling-off in imports from the United States. This is one of the products which may feel the effect of the speeding-up in munition factories, as the Government may not feel disposed to release such liberal supplies of raw material as they have done.

BALSAMS.—Spot holders of *Canada* in cases quote 7s. 6d., being an advance of 1s. 3d. on previous prices. *Copaiba* is firmer, Central American (B.P.) offering at 5s. 9d., filtered Para in cases 4s., unfiltered Marañham in casks 5s. 6d., and filtered in cases 5s. 11d. Genuine *Peru* is still 19s. net in cases on spot.

BARBITONE.—Fairly large quantities have been sold for forward delivery, and the demand shows no sign of easing off at present; from 110s. to 115s. per lb. is quoted for quantity. Apparently the demand for veronal is increasing in this country.

BENZOATES.—Stocks are getting low, and deliveries in some instances have not been forthcoming. Holders of the limited stocks are decidedly "bullish" in their ideas. Benzoic acid is quoted at 19s., and sodium benzoate is very scarce at 19s. also.

BROMIDES.—Demand has quieted down somewhat, but there is no relief to the scarcity. Potash has been selling at from 10s. 6d. to 11s., ammon. at 8s. 6d. to 9s., and sodium at 5s. 3d. to 5s. 6d. The principal requirements of ammon. appear to be satisfied for the time being, and there is no great demand for sodium. Japan offers potash to come forward, but the price does not attract purchasers owing to uncertainty of shipment. In our opinion, prices appear to have reached their highest, and dealers would do well to dispose of their stocks while they see a profit.

CAFFEINE.—Pure crystals afloat are offered at the easier rate of 49s.

CAMPHOR OIL.—The exports from Japan during December amounted to 8,236 kin, valued at 1,746 yen. During the twelve months ending December 1917 the exports were:

	1915	1916	1917
Kin ...	2,313,316	1,971,680	1,713,633
Yen ...	318,763	308,275	316,132

CAMPHOR (REFINED).—Japanese slabs are dearer, with sellers at 4s. 5d. on the spot and ½-oz. tablets at 5s.; slabs afloat have been sold at 4s. 1d. to 4s. 3d. c.i.f. English bells are unaltered at 4s. 4d. and flowers at 4s. 3d. The exports from Japan during December amounted to 147,396 kin, valued at 237,810 yen. During the twelve months ending December 1917 the exports were as follows:

	1915	1916	1917
Kin ...	3,880,031	5,753,862	3,119,915
Yen ...	3,475,415	6,287,795	5,304,157

The destinations were as follows:

	1915	1916	1917
	Kin	Kin	Kin
British India ...	1,342,504	1,416,041	1,082,490
Asiatic Russia ...	309,410	447,068	65,446
Great Britain ...	321,674	639,135	145,130
France ...	530,222	379,862	66,618
United States ...	1,035,263	2,651,438	1,493,135
Australia ...	170,394	92,605	112,400
Other countries ...	170,564	124,713	154,696
	3,880,031	5,753,862	3,119,915

CANARY-SEED is dearer. Fair to good Morocco was sold on Monday at 212s. 6d. to 217s. 6d. per quarter, but holders have since then raised their price.

CARAWAY-SEED is firm at 220s. to 225s. per cwt. for ordinary Levant.

CARDAMOMS.—It is reported from Ceylon that the acreage under cardamoms continues to decrease, and is likely to continue to do so, as the prices obtained have been anything but remunerative.

CASSIA LIGNEA.—Sales of whole selected have been made on the spot at 92s. 6d. per cwt., an advance of 2s. 6d.

CASSIA OIL is firm at 6s. 9d. on the spot for 80 to 85 per cent. c.a., and 6s. 3d. for 70 to 75 per cent.

CHLORAL HYDRATE is still very scarce on spot. Orders have been booked at 10s. 6d. per lb. (in bond) to arrive, and higher prices appear inevitable.

CLOVES have been quiet, with buyers of fair Zanzibar at 2s. 3d. and sellers at 2s. 3½d. per lb.

COCAINE remains very firm, with spot supplies limited; a few sales of hydrochloride have been made at 50s. per oz. to come forward this month. The pure alkaloidal crystals are quoted at 62s. 6d.

COCOA-BUTTER.—The Food Controller has fixed a maximum wholesale price of 1s. 6d. per lb. when the sale is by the maker, of 1s. 7d. when the sale is by a person other than the maker, and a maximum retail price of 2s. per lb. (see p. 34). Previous to control the Mincing Lane price was 2s., and retailers were selling to the public at 2s. 4d.

COD-LIVER OIL.—Our Bergen correspondent writes on March 14 that the cod-fisheries are making very slow progress. The official report gives the following results up to March 10:

	1916	1917	1918
Catch of cod (millions) ...	12.2	5.0	2.9
Yield of c.l.o. (hect.) ...	16,603	8,660	3,290
Liver for "raw" oils (hect.) ...	2,100	1,890	575

COPPER SULPHATE.—The home demand continues rather listless, but makers are not eager sellers in the present state of their books. Transport facilities for Ireland have been interfered with for the time being, so that the execution of current contracts is held up. Home trade prices remain at 50l. to 52l., according to delivery. Merchants are doing nothing for export, due to the absence of permits.

CORIANDER-SEED, after declining to 70s. per cwt. for Morocco, has recovered to 75s., with few sellers.

COUTMARIN is offered at 175s. per lb. on the spot for 100-per-cent.

CREAM OF TARTAR.—Spot sales have been made at 412s. 6d. per cwt., a further advance of 2s. 6d. Offers have been made from Sicily for early shipment at from 380s. to 390s. per cwt. c. and f. U.K. ports.

CUMIN-SEED is unchanged at 65s. to 67s. 6d. per cwt. for fair to good Morocco.

DILL-SEED is firm at 58s. to 60s. per cwt. for East Indian.

EPSON SALTS.—Some makers have advanced the price of commercial quality by 25s. per ton.

FARINA is quiet, with No. 1 Japanese offering on the spot at 92s. and afloat at 91s.; sales include March-May shipment at 90s., and *sweet* for February-April shipment at 87s. c.i.f.

FENNEL-SEED is steady at 57s. 6d. per cwt. for East Indian.

FENUGREEK-SEED has had a rapid rise from 45s. to 52s. 6d. per cwt. for Morocco and East Indian.

GINGER has been selling at a slight advance on last week's auction rates, including washed rough Ceylon at 90s. to 92s. 6d. and brown Calicut rough at 85s. to 90s. Lined Japanese is 75s.

HELIOTROPIN is offered at 35s. per lb. on the spot.

HEXAMINE.—The American price has been raised about 20c. per lb. owing to scarcity, while on this side supplies are almost unobtainable; from 7s. 6d. to 8s. has been paid for spot parcels.

HYDROQUINONE.—The consignments now coming forward should relieve the scarcity, but at the same time the present high price of 16s. is being willingly paid.

MENTHOL is firmer, with spot sales of Kobayashi-Suzuki up to 14s. 3d., but on Wednesday sellers were asking 14s. 6d. Owing to difficulties of shipment forward purchases are being entered into reluctantly.

METHYL SALICYLATE is dearer, with sales on the spot up to 9s. 6d. per lb., and 10s. asked. Spot stocks are extremely small, and no consignments are in sight.

MILK-SUGAR.—We notice the arrival of 200 packages from New Zealand, but they have been sold for delivery to a consumer, so the open market is not affected. At the same time, supplies ought to become more plentiful in a month or so, when an easing down in values may be looked for.

MINT OIL.—The exports from Japan during December 1917 amounted to 48,658 kin, valued at 112,280 yen. During the twelve months ending December the exports were:

	1915	1916	1917
Kin ...	341,249	360,742	259,720
Yen ...	697,358	844,508	593,614

The spot (London) price is 4s.

OILS, ESSENTIAL.—A few current quotations are: Java *Citronella*, 6s. 9d.; Ceylon, 3s.; *Lemongrass*, 70 to 75 per cent., 5½d. to 5¼d. per oz.; *Palmarosa*, 15s. per lb.; *Ginger-grass*, 10s. 6d.; Bourbon *Ylang ylang*, 4s. per oz.; French *Lavender*, 37 to 38 per cent., 16s. 9d. to 17s.; *Lemon*, 4s.; *Bergamot*, 20s. 6d.; Japan *Mint*, 4s.; white *Camphor*, 150s.; true *Sassafras*, 13s.; rectified *Caraway*, 22s. 6d. per lb.

PARALDEHYDE.—Spot parcels which were depressing the market have now been cleared, and prices are from 13s. 6d. to 14s. per lb. net.

PEPPERMINT OIL.—Limited supplies of American tin oil are about landing, for which 18s. to 15s. 6d. net ex wharf is asked, while for H.G.H. values are from 29s. to 30s. London terms, but difficult to find in more than single-caso lots.

PHENACETIN.—Some makers are behindhand in their de-

liveries off contract, and an impression prevails that the supplies of raw materials will not be so readily forthcoming to the makers in view of the speeding-up again in munition factories. The same remarks in regard to raw material apply to phenazone also. Prices of phenacetin are from 27s. to 30s.

PHENOLPHTHALEIN is scarce and dearer at from 52s. 6d. to 55s. per lb. on the spot.

PIMENTO.—Spot sales have been made at from 5½d. to 5¼d. per lb.

POTASH IODIDE.—Stocks of Japanese on the spot are still being sold at slightly below convention rates. The exports from Japan during November were 20,633 kin, valued at 150,968 yen. During the eleven months ended November 30 the exports were as follows:

	1915	1916	1917
Kin ...	117,191	151,845	145,078
Yen ...	892,092	1,093,692	912,929

The exports of *crude iodine* during November were 12,265 kin, valued at 93,976 yen; during the eleven months ended November 30 they were:

	1915	1916	1917
Kin ...	3,635	3,044	40,613
Yen ...	25,335	17,096	291,269

QUININE.—We understand that Howards & Sons, Ltd., are now able to sell limited quantities of quinine to their old customers for the home trade. Their prices are based on 2s. 8d. per oz. net for sulphate. At the time of closing for press (Wednesday morning) there has not been time for the Dutch makers to indicate what response they will make in regard to prices. In the secondhand a limited quantity of sulphate might be had at 3s. 5d. per oz.

SACCHARIN.—In view of the Government being able to release a certain quantity of British made saccharin to tablet makers the general tendency of the market among dealers and importers is easier, sales of 550 pure having been made at from 300s. to 360s. per lb. on the spot. There is a fair quantity of American now afloat and about due, which should help to relieve the spot scarcity. It is again reported that the maximum price of saccharin is to be fixed by the Government at 135s., but there is no confirmation of this as yet. If this should prove to be the case the market would have to depend on the insufficient supplies of English make, as it could not be imported and sold at a profit on this basis. These rumours do not appear to have affected the market to any appreciable extent, because there is an insistent spot demand which must be filled at present high rates.

We are informed by the Sugar Distribution and Retail Price Branch of the Ministry of Food that the retail price of 1s. 3d. per 100 saccharin tablets applies only to tablets made with saccharin of British manufacture controlled by the Ministry of Food. Supplies of saccharin are being placed at the disposal of tablet manufacturers, and it is hoped that increased quantities will be available at an early date.

SALICYLATES.—*Salicylic acid* has been selling at from 5s. to 5s. 3d. per lb. on the spot, but it would not be surprising to see a sudden change, as it is doubtful in view of events on the Western front whether the Government will be able to liberate any large quantities of carbolic acid to the makers; salicylate of soda is 7s. to 7s. 3d.

SALOL is on the easier side at from 9s. 9d. to 10s. per lb.

SANTONIN.—The official price of pure crystals was advanced on March 25, and is now 360s. per kilo. net ex wharf London for orders of at least 50 kilos. to be taken in one delivery. For smaller quantities the prices are: 25 kilos., 375s.; 10 kilos., 390s.; and 5 kilos., 405s. per kilo. net.

SHELLAC is nominal, with spot sellers of the usual standard TN Orange at 440s. and AC Garnet at 420s. The quotation for use in any Government work is 142s. 6d.

SODA HYPOSULPHITE is dearer, with odd parcels of ordinary crystals obtainable at from 55s. to 57s. 6d. per cwt. Pea crystals have been off the market for some weeks past.

SULPHUR.—The exportation from Sicily during 1917 amounted to 163,062 tons, against 395,942 tons during 1916. The production in 1917 was reduced to 177,250 tons, against 222,375 tons during the preceding year. The stocks of sulphur in Sicily on December 31, 1917, compared with the corresponding date of 1916 were as follows:

	1917	1916
	Tons	Tons
Girgenti ...	61,783	52,214
Licata ...	42,668	57,939
Catania ...	46,728	39,264
Termini ...	6,083	5,605
Palermo ...	140	360
	156,802	155,372

The existing stocks include the ground and refined in possession of the refiners and grinders in Sicily. The Consortium does not sell any raw sulphur for exportation, and the sales are limited to the needs of the local refineries. The exportation to France, England, and the Colonies is in the hands of the Government. Prices have been enormously increased, but a limit has been imposed by the Government.

TARTARIC ACID is again firmer at from 3s. 5d. to 3s. 6d. per lb. for spot supplies.

TERPINEOL is scarce and dearer at from 6s. to 6s. 6d. per lb. on the spot, as to seller.

TURPENTINE.—Steady, with sales to holders of permits at 124s. 3d. for American.

VANILLIN remains very firm at 65s. per lb. on the spot. No further importations of cloves are likely for a lengthy period.

WAX, VEGETABLE.—Sales of Japanese for April-June shipment have been made at 109s. 6d. c.i.f., being dearer.

ZINC OXIDE.—The home product continues very scarce and nominal. Quotations are widely divergent, according to quality and description of material. It is understood that as much as 156l. was paid recently for high-grade American oxide. The output of the latter is believed to be on a reduced scale. Fair quantities of material are apparently obtainable at around 100l. per ton. Zinc dust is extremely scarce, and chiefly absorbed for essential purposes, very little coming along from Australia. Stocks in Japan are small and freightage is difficult; spot lots are obtainable at about 105l., while this figure is mentioned for May-June shipment on c.i.f. terms.

Arrivals of Chemicals, Drugs, etc.

The following arrivals have taken place at the Ports of London and Liverpool:

To London
(March 7 to 15).
Casein, 3,236l.
Chemical products, unrated, 1 cs. 38 cks. 2 pcks.
Carbon black, 400 cs.
Creosote carb., 2 cs.
Milk sugar, 25 cs.
Potash iodide, 45 cs.
Pyrogallie acid, 10 cs.
Saltpetre, 8,280 cwt.
Senna, 28 bls.
Soda, unrated, 100 cwt.
Theobromine, 4 cs.
Vermilion, 10 cs.
Dental goods, 512l.
Drugs, various, unrated, 79l.
Benzoin, 78 cwt.
Cantharides, 10 cs.
Chamomiles, 20 bls.
Dagga, 20 bgs.
Ergot, 10 pkgs.
Galangal, 10 bls.
Galls, 344l.
Insect-flowers, 180 bls.
Menthol, 35 cs.
Myrrh, 58 cwt.
Orange-peel, 5 bgs.
Senna, 24 bls.
Stramonium, 5 bgs.
Dyestuffs, tanning materials, etc., unrated, 20 cks. 102 pkgs.; gambler, 528 cs.; indigo, 15 cts.; myrabolans, 1,809 bgs. 1,500 pockets; orchella weed, 3 bls.
Fusel oil, 6,000l.
Gelatin, 936l.
Gums (cwt.): acacia, 170; copal, 1000; damar, 150; oil-banum, 213; tragacanth, 677
Lootahs, 920l.
Nuts and kernels (cwt.): copra, 500; coconut, desicc., 675; ground-nut, 7,580; palm-kernels, 12,675
Oils, essential, unrated, 288 cs. 40 crates, 4 chys. 2 pots; anise oil, star, 75 cs.; camphor, 320l.; eucalyptus, 30 cs.
Oils, fixed: castor, 140 cks.; coconut, 454 pkgs. 195 pps. 115 cks.; fish, 10,250 cs.; herring, 1,900 cs.; palm, unref., 13 cks.; shark, 146 cs.; sperm, 400 cs.; veg. tallow (hardened oil), 4,500l.; wood, 7,580l.
Perfumery, unrated (mostly raw materials), 2,380l.; toilet-powder, 423l.
Plumbago, 325 cks.
Resin, 466 cks. 73 bls.
Seeds (bags): coriander, 2,392; cotton, 13,824 bgs. and 1,172 tons; dill, 1,939; khusta-seed, 70
Shellac, 1,500 cwt.
Soap stock, 285l.
Starches (cwt.): dextrin, 400; farina, 7,921; potato, 26,046; wheat, 540
Talc, 51l.
Tallow, 7,426 cwt.
Turpentine oil, 2,100 cs.
Wax, paraffin, 7,900 cwt.
Waxes, not described, 1,961 cs.
Cancelled entries: Sept. 19, 29 pkgs. coconut oil; Oct. 12, 1,334 bgs. myrabolans; Feb. 3, 1,485 bls. cinchona.
To Liverpool
(March 11 to 16).
Chemical products, etc., unrated, 577l. 89 bls. 2 cs.:
Acetanilide, 7 cs.
Argyrol, 1 box
Arsenic, 54 cks. 130 cs.
Magnesia, 175 pkgs.
Monochlorbenzol, 20 drms.
Saltpetre, 3,985 bgs.
Soda nitrate, 6,650 tons
Tetra-chloride, 8 drms.
Thorium nit. and cerium nit., 12 cs.
Dental goods, 1,612l.
Drugs, etc., unrated 29 cs.
Angelica-root, 10 bls. 1 bri.
Balsam tolu, 3 cs.
Camphor, ret., 163 cs.
Copaiba, 93l.
Galls, 200 cs.
Sarsaparilla, 13 bls.
Dyestuffs, tanning materials, etc.: chestnut tanning ext., 1,578 cks. 789 bgs.; fustic wood, 53 tons; logwood, 47 tons; logwood ext., 600 cks.; mimosa-bark, 480 bls.; myrabolans, 10,450 pockets 3,509 bgs.; quercitron-bark ext., 30 bls.; quebracho ext., 3,107 bgs.; sumach, ground, 75 bgs.; tanning ext., 1,000 bgs.; wattle-bark, 1,955 bls. 11,177 bgs. and 25 tons; ground, 1,962 bls.
Nuts and kernels (bags): copra, 1,262; ground-nuts, 3,849; palm-kernels, 39,022 bgs. and 97 tons
Oils, essential: cassia, 100 cs.; eucalyptus, 236 cs.; peppermint, 30 cs.
Oils, fixed: cotton, 410 bls. 460 cts. 120 tcs.; fish, 1,700 cs.; palm, 1,021 cks. 151 butts 11 pps.; palm-kernel, 17 cks.; shark, 500 cs.
Plumbago, 175 cks.
Quicksilver, 25 cs. and 3 cwt.
Resin, 5,502 bls.
Seeds: canary, 600 bgs.; cotton, 1,005 bgs. and 1,250 tons; lin, 9,469 bgs. and 635 tons; rape, 7,765 bgs.
Starches (bags), 3,728; farina, 1,630
Talc powder, 6,188 bgs.
Wax, bees, 10 bgs.
Wax carnauba, 104 sks.
Wax, paraffin, 204 bgs.; tailings, 1,000 bls.
Wax, vegetable, 150 cs. 50 bbs.



Letters for this section should be written on one side of the paper only. The writer may adopt an assumed name for purposes of publication, but he must in all cases furnish his real name and address to the Editor.

Price of Saccharin Tablets.

SIR,—Referring to your article in THE CHEMIST AND DRUGGIST, March 23, p. 44, I wish to explain that we were selling ½-gr. saccharin tablets at 2s. per 100. It was intimated to us that the Sugar Supply Commission wished us to sell at 1s. 6d. As I knew that a considerable quantity of saccharin had been bought at high prices by the trade, I felt that some notice should be given to enable tablet-makers and retailers to work off their supplies, and we therefore continued to sell at 2s. Without giving us any notice, tablet-makers up and down the country were officially informed that the price of saccharin would be reduced, and that the tablets would then be sold at the controlled price of 1s. 3d. per 100. In these circumstances we reduced our price to 1s. 3d., as it seemed useless to reduce to 1s. 6d. and then, when everyone else was selling at 1s. 3d. again drop the price. It was only after we had reduced our price that our company was officially informed of the coming reduction, though it was common knowledge to the wholesale trade and tablet-makers for some three weeks previously. In conclusion, I may say that, although we are manufacturing saccharin, the Government give us no special facility in regard to price. The price we have been charged up to now is within 2s. per lb. of the price at which we could have imported saccharin from America.—Yours faithfully,
JESSE BOOT,

Managing Director, Boot's Pure Drug Co., Ltd.
Nottingham.

Release of Tinplate.

SIR,—In your report of the London Chamber of Commerce meeting regarding the release of tinplate (*C. & D.*, March 23, p. 36) it is stated that the efforts of the Association of Manufacturing Chemists, Ltd., had not produced so far tangible results. As a matter of fact, correspondence has taken place with the Industries Committee, and a deputation has been appointed (see *C. & D.*, January 26, p. 36) which would have waited upon the Industries Committee some weeks ago had it not been for the fact that they required further particulars. A circular has been sent out to the whole of the trade with the object of obtaining these particulars. Immediately we are in receipt from our members of the information that the Ministry require, it will be forwarded to them, and no doubt the deputation will wait upon the Ministry.—Yours truly,

THE ASSOCIATION OF MANUFACTURING CHEMISTS, LTD.
PARKIN S. BOOTH, Accountant.

The Trade in Proprietary Articles.

SIR,—A month or so ago I received the P.A.T.A. "Year-book" and a request to subscribe to the Association. I sell some P.A.T.A. goods, and a year or two ago received a foundation stock on sale or return of numerous protected toilet-articles. When I found a neighbouring draper was also selling them I returned the goods. The herbalist next door to me, the hairdresser a little further off, and the omnivorous grocer near by all have P.A.T.A. goods in stock, which suggests to me the advisability of founding a strong chemists' trade union to make terms with the manufacturers—not one-sided agreements, such as the P.A.T.A. arrangement. The trade union should, in the first instance, ask a manufacturer, "Will you confine your goods to the drug-trade, and give a written guarantee to that effect?" The profits should be 3½ per cent. toilet-goods, 25 per cent. general, 20 per cent. foods—on the turnover, not the schoolmaster's reckoning on cost price—with face-value price for everything. A refusal of these terms should be an ultimatum to the trade to refuse to stock it. When we take an article in hand we should have some guarantee that if we assist to build up a trade in that article it should be kept to the drug-trade, not handed over, when convenient, to any other trader. We also ought to protect the trade by refusing to allow outsiders to use the familiar legend, "Sold by all chemists," unless the trade is willing to allow that to be done. The chief object of this letter is to point out that mere price-protection will ultimately be no good to the trade unless chemists alone are guaranteed the trade.

Yours truly,
FAIR PLAY. (29/65.)

Women in Pharmacy.

SIR.—If ever Miss Buchanan decides to write a book for women pharmacists, she might very well include a chapter on "How to address clients and others." Thus a lady dispenser, quite reliable, trustworthy in every respect, but slow to distraction, is very liable to make startling errors on the labels and in the direction. It might be Mr. John Smith or even John Smith, Esq., but it certainly was plain John Smith, who, honest gentleman, was not over-pleased. Very seldom indeed do women write "The Rev.," "The Countess." I have seen, roughly and broadly, "Bishop of Muddleton," and even "Duchess of Puddleton" (spelt "Dutchess"). Women assistants apparently know nothing of such matters, and as for the significance of the "The" in addressing ladies of title, it is an absolute closed book to them. I repeat that their male *confrères* are little better, though generally more observant. It used to be an old tale at Corbyn's that in the time of Corbyn (said to be a Quaker) he always wrote on the label "John Smith" or "Peter That," and no complaint was made until he wrote "John Smith's Wife" for Mrs. John Smith. Now, Corbyn was a notable of a sort, and might be tolerated, but slips of the kind mentioned above from young women who have presumably been to school are viewed differently.

Yours, etc.,

OLD-FASHIONED. (12/3.)

March 2, 1918.

Treatment of Urticaria.

Mr. N. W. Holmes, Darwen, writes: I have recently come into contact with a considerable number of cases of urticaria (nettle-rash), and, what is more, have completed a test-cure on myself for the same complaint. As my own case was designated by the doctor as "one of the worst he had seen," our little experimental treatment may be of interest and service to any pharmacists who come into contact with cases. *Diagnosis:* Generally very easy. A wheal, not unlike a nettle-sting, which ultimately scabs and then dries off. The itching is intense, and scratching—while giving temporary relief—only increases the number of wheals, subsequently adding to the irritation. *Cause:* Generally attributed to tinned foods or shell-fish. At the moment the amount of tinned foods eaten is very large, and this may probably be the cause in the great number of cases. *Treatment:* Always noted as difficult and uncertain. The following mode was adopted in my own case. Internally, calcium lactate, 10 grs., with liquor arsenicalis, 2 minims, three times daily through the entire treatment. The bowels should be kept well relaxed with vegetable laxative tablets. Externally, sodium-bicarbonate baths (18 oz. to 15 gals.) should be used each night, afterwards rubbing the body with dry sod. bicarb. night and morning. This usually had a very soothing effect on the itching, but, when this did not allay it, lotio calaminæ should be dabbed on the parts. This treatment should be carried out for one week. During the second week the scabs will be found well formed, with the skin dry and somewhat inclined to crack. A liberal application is made of the following ointment:

Ac. borici	...	...	gr. L.
Zinci oxidi	...	...	gr. cc.
Pulv. amyli	...	...	gr. cc.
Ac. carbol. liq.	...	...	℥xxx.
Ol. olivæ,			
Paraff. moll. flav.	...	aa.	5j.

Desquamation starts quickly after the application of this ointment, and at the end of the second week the cure is complete. Although this treatment in my case was completed some time ago, I am quite well, and my skin is in excellent condition. In other cases within my notice this treatment has afforded speedy relief and satisfactory termination.

Subscribers' Symposium.

For interchange of opinion among "C. & D." readers, and brief notes on business and practical topics, especially new ideas.

Apothecaries' Assistants.

Omega (211/56) writes: "In view of the shortage of chemists and chemists' assistants at present and in all probability the increased shortage later on, may I suggest that those holding the Hall certificate, having passed the Preliminary examination, and having been born in or before 1867, should be registered as chemists and druggists under the Pharmacy Act?"

Impure Epsom Salts.

Mr. John N. Koutoupas, Ph.C., Zeitoun, Egypt, writes to warn chemists against Epsom salts containing iron. A sample he examined recently contained this impurity, which, although not poisonous, produces a pronounced effect where

any vegetable liquid containing tannin is prescribed along with Epsom salts. Mr. Koutoupas reminds us that two years ago he received some of the salt containing arsenic, a circumstance which has caused him since very carefully to examine supplies of chemicals.

An Old Measure.

H. W. G. (184/40), referring to the illustration given in the C. & D., January 29, 1916, p. 134, of an old glass measure bearing the mark of a portcullis in an oval, writes that he has among his measures "a 10-oz. one, graduated in half-ounces, and bearing the same stamp and number. This measure was bought between eighteen and twenty years ago from an elderly chemist (aged about seventy) who had retired from business. The measure had been one of his stock. From these data you may perhaps be able to locate the date and source of the stamping, which is certainly curious."

Income-tax (D).

"With a view to facilitating the correct assessment by the Commissioners of Taxes of the profits of your business I shall be glad to receive, if ready, a certified copy of the accounts and reports for your last three financial years." A chemist who has received the above request from the Income-tax Commissioners thinks that it is as well to remind fellow chemists that the C. & D. Diary, 1918, page 73, explains fully the position in regard to excess-profits duty.

Jay Mackisms

(As he Writes Them).

1. Miss Buchanan's Business Pill will, I hope and trust, prove to be "Pride's Purge" in the drug-trade.
2. There are 2,000 "verdant adolescents" clinging to weary chemists, like the ivy to the oak, and about as useful.
3. Whenever business training becomes the rule, instead of the exception, they will leave the trade for the good of the trade.
4. But we have 30,000 young girls in the trade; and we can replace the 2,000 easily. "They never will be missed."
5. Postal tuition schools, like Dickinson's of Chester, mentioned in the C. & D., if done on real modern lines, will be a recruiting ground for pharmacy colleges.
6. All education in the past fifty years has led to a "short-sighted practicality and a too highly pitched aim in life," as the "Fortnightly Review" said last December.

Legal Queries.

Most difficulties in trade law are explained in the legal section of "The Chemist and Druggist Diary," 1917, beginning on page 353.

R. W. B. (20/41).—PARTNERSHIP.—A solicitor would advise you as to the drawing-up of a partnership deed.

Strum (249/44).—Your statement of the law regarding the position of companies who carry on the business of a chemist is correct. The difference in law between a company and a person, which is now fairly well understood, explains the apparent anomaly to which you refer.

Nunquam (31/72).—A is sole executrix of the will of her deceased brother B. The whole of the estate, amounting to 1,115*l.*, is left to B's brother C. A has already paid nearly 40*l.* in death duties, and has now been called upon to pay a further sum as legacy duty upon the "residuary estate." Is this further claim payable? [Apparently A has so far paid estate duty only, and legacy duty is payable in respect of the property passing to C.]

T. H. L. (32/71) is lessee of a house, one of the covenants of the lease being that he shall paint the outside of the premises in every third year of the term. Three and a-half years have now elapsed since "T. H. L." last painted the outside of the house, and he has been called upon by his landlord to do the painting. In view of the present shortage of labour and scarcity of materials, is "T. H. L." liable to do the work? [In our opinion "T. H. L." is not excused from performing the covenant in his lease, by painting the outside of the premises, unless he can show that restrictions imposed by the Government or other unforeseen circumstances render the fulfilment of his obligation impossible.]

H. F. & Co. (30/35).—WAR EMERGENCY FORMULÆ.—The removal of glycerins, syrups, and other galenicals from the British Pharmacopœia does not make any difference in the relations between the chemist and the public regarding retail sales. In case of a prosecution under the Sale of Food and Drugs Acts the prosecution would probably have little difficulty in establishing the formulæ which were last official as the standards for these galenicals. Whether

there is likely to be a prosecution is another matter. It is open to you to supply the public with a substitute made from any suitable war emergency formula, but you must take care that the customer is not deceived in regard to the article he is purchasing.

X. Y. Z. (26/1) took a house on a fourteen years' lease about three years ago from the executors of the previous owner. Five years ago the previous owner entered into an agreement with A to grant him a seven years' lease of the upper part of the house "upon terms to be arranged." No lease was executed, but A has ever since occupied the upper part of the house at a rent which includes rates. "X. Y. Z." has given A six months' notice to quit, which expired on March 25, the quarter-day upon which A entered into possession. Is A bound to vacate the premises on March 25? [In our opinion the Court would regard the agreement as binding upon "X. Y. Z." in view of the fact that both he and the previous owner have acquiesced in A's occupation of the premises, in which case A is entitled to remain in possession until the expiration of seven years from the date of the agreement. If, on the other hand, the agreement is for any reason invalid, A would be compelled to leave the premises on March 25.]

W. H. L. (19/71), to whose inquiry regarding electric-light charges we replied in the *C. & D.*, February 16, p. 52, now sends us the letter he received from the local authority offering to wire his premises and supply current at a fixed charge. He asks whether the local authority are entitled to increase the agreed charge by 10 per cent. [We assume that "W. H. L." accepted the local authority's offer, and that there was therefore a binding contract for the supply of current at the specified rate. In that case the local authority are not entitled to charge at a higher rate during the continuance of the contract. On the other hand, we consider that the agreement was terminable by the local authority at the expiration of reasonable notice, and that after the termination of the agreement the increased charge could be claimed by them. What is "reasonable" notice is a question for the decision of the Courts, and it is possible that the notice intimating that the charge would be increased by 10 per cent. would be held to be sufficient.]

Miscellaneous Inquiries.

When samples are sent particulars should be supplied to us as to their origin, what they are, what they are used for and how. We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them.

W. J. S. (6/51).—(1) **SYRUPUS THYMI** Co. is an imitation of the whooping-cough remedy to which you refer. The formula is as follows:

Liquid extract of garden thyme,	
Liquid extract of wild thyme of	
each	2 oz.
Alcohol (90-per-cent.)	1 oz.
Potassium bromide	400 grains
Simple syrup to	20 oz.

Dissolve the potassium bromide in a small quantity of distilled water. Mix the alcohol, liquid extracts, and syrup, then add the potassium-bromide solution and sufficient distilled water to make 20 oz.

(2) **AMERICAN LINIMENT**.—The formula to which you refer is as follows:

Capsicum powder	3j.
Fusel oil	3iv.
Origanum oil	3iv.
Sassafras oil	3j.
Turpentine	3viij.
Paraffin oil	3xxxviii.

Macerate for twenty-four hours, and strain.

(3) Particulars as to the scope of **Kraemer's "Applied and Economic Botany"** were given in the *C. & D.*, January 2, 1915, p. 51, where a review of the work is printed. (4) We do not know the dates of publication of the other works you mention.

J. W. (20/2).—**ARTIFICIAL MINERAL WATERS**.—See *C. & D.*, July 31, 1915, p. 188, for several formulas for these.

Rowlette (Bombay) (26/36).—(1) **BOOKS ON ANILINE DYES**.—Cain and Thorpe's "Synthetic Dyestuffs" (Griffin, 18s.); Schultz and Julius's "Systematic Survey of the Organic Colouring-matters" (Macmillan, 25s.); Hurst's "Dictionary of the Coal-tar Colours" (Heywood); Wahl's "Manufacture of Organic Dyestuffs" (Bell). (2) We cannot say what

it is that causes the discoloration of the quinine-bisulphate tablets in the manufacture of which liquid paraffin is used as a lubricant and syrup as an adhesive. You should conduct a few experiments with the ingredients separately, which should yield you data as to whether any impurity is likely to be the cause.

J. A. H. (B.W.I.) (23/68).—There are no reputable corporations in this country which give optical certificates as the result of correspondence classes.

J. S. (25/70).—**EVAPORATING LIQUIDS**.—There are well-known methods of evaporating aqueous liquids in bulk, but the apparatus is not cheap. The steam apparatus which is employed in evaporating sugar solutions, and known as the "multiple effect" system, is considered the most efficient. In this matter the cost of fuel has to be considered—for example, to evaporate a thousand gallons of water per day requires one ton of coal, the price of which is *x*; the labour attending to the pan is *y*; wear and tear of apparatus and interest on capital, say 100*l.*, is *z*. From the figures for *x*, *y*, *z* you can find out the cost of evaporating a gallon of liquid, and from this the money involved in making the fowl-food which you have in view. We are not sure that you will be able at the present to obtain the engineering plant required, but possibly, if you could impress the Food Production Department as to the utility of your idea, you might obtain a priority certificate.

Beer (31/4).—**NON-ALCOHOLIC BEER**.—Directions for brewing non-alcoholic beers were given in the *C. & D.*, July 28, 1906, p. 194, and January 26, 1907, p. 153. The difficulty you will experience in this connection is to produce a beverage without employing malt or sugar, which may not at the present time be employed for the purpose except under conditions which private persons cannot fulfil.

Kramer (30/80).—**FIRST-AID AMBULANCE ORDER**.—Particulars of the Order made under Section 7 (i.) of the Police, Factories, etc. (Miscellaneous Provisions), Act, 1916, are given in Form 924, "Welfare in Factories and Workshops," which can be obtained from the Stationery Office, Kingsway, London, W.C., for 1*d.*

T. H. (29/71).—**BOOKS ON OPTICS**.—The series of optical books published by Mr. Lionel Laurance, Temple House, Temple Avenue, London, E.C., are much used now by optical students. The titles are "General and Practical Optics" and "Visual Optics and Sight-testing." They are 10*s.* 6*d.* each.

Tax (23/10).—**PROFIT ESTIMATION**.—Our subscriber asks the following questions: (1) Give an example of how a business return should be made out for income-tax purposes. [This was explained in detail in the *C. & D.*, July 3, 1915, p. 52, and is also shown in "Mack's Ledger," p. xiii.] (2) Is net profit estimated by percentage on sales? [Net profit is estimated on sales in retail and on costs in the wholesale, but both branches of the trade must know or estimate their year's working expenses.] (3) In order to estimate profit, should patents, sundries, and drugs be entered separately in keeping accounts? [It is not necessary to separate these sales for the purpose of yearly profits. The year's purchase of goods is what you want, and the year's sales.] (4) Is there any quick method of finding out the value of stock? [Various methods have been given in the *C. & D.*, and "Mack's Ledger" gives three ways. One of the ways takes only an hour, but such stock must be well set out and well kept.] (5) In calculating cost of stock, should one take a current price-list, or make some allowance for abnormal times? [A current price-list is needed for all quick-selling goods. Wide allowance should be made for goods bought before the big advance in prices caused by the war. The present time is well suited for showing the value of the practical estimation of stock on a year-by-year system.]

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1. The Association does not profess to study the interests only of chemical brokers, but hopes to serve the trade as a whole. It is open equally to *manufacturers, merchants, agents, consumers, exporters and importers*. Representatives of all classes have already applied.

In the meantime the Association is already serving to foster friendly relations and encourage business between the different classes named. It is hoped shortly to announce further and specific services to members.

2. It is proposed to hold a general meeting within the next few weeks. Members will then be invited to consider the general rules, and rules of contracts and of arbitrations, which are being drafted; to confirm or reconstitute the present provisional Committee, and to appoint an arbitration Appeal Committee.

Any members who would be willing to give their time and services either on the General or the Appeal Committees are invited to send their names to the Secretary.

Particulars of the Association and application for membership forms may be had on application to the Secretary, Mr. S. J. C. MASON, at the above address.



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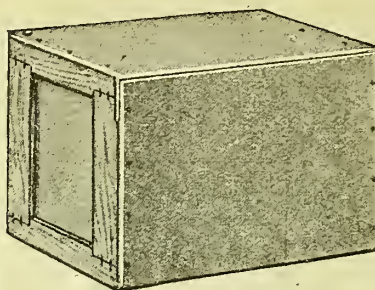
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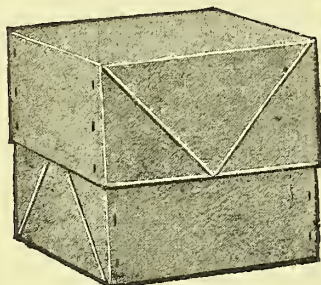
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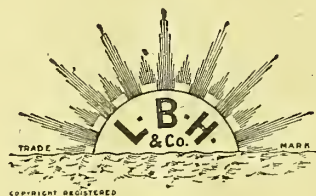
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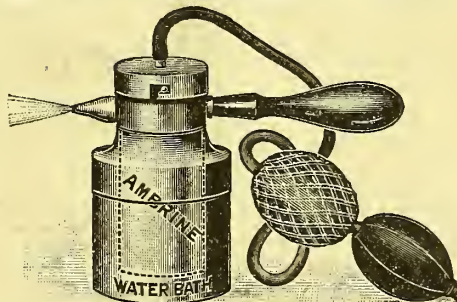
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Kills Lice, Fleas, Bugs, Mosquitos, Harvest Bugs, Midges, Jiggers, Tumbu-Flies, Gad-flies, etc.

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ACETYL-SALICYLIC ACID, B.P.

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Free from SALICYLIC, ACETIC,
TARTARIC, and CITRIC ACIDS,
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The complete purity of our product, combined with its
beautiful physical state and well-crystallised condition,
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PHYSIOLOGICALLY PERFECT.
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"NOSTROLINE"
Prevents and Cures
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Protects against Infection.

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Solyptol SOAP

A high-grade
Toilet Soap of
marked Antiseptic
properties.
Non-irritating.
Agreeably perfumed.
Lathers in hard water.
Assists the complexion.
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Invaluable in the
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TOILET SOAP in 3-tablet boxes.

SHAVING STICKS, each in a carton, packed half-dozen
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F. H. FAULDING & CO., 54 Ct. Tower St., London, E.C.
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Stocked by all Patent Medicine Vendors and the Principal Stores.

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Should any subscriber to this Journal not yet have stocked

"SoTol"

(entirely British and the most
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Mouth and Throat Wash & Nasal
Douche yet introduced) they are

invited to
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"SOTOL" Effervescing Tablets are obtainable from all
Wholesale Chemists or Druggists' Sundriesmen.

ESTABLISHED A.D. 1772.

HENRY'S CALCINED MAGNESIA.

For HEARTBURN, HEADACHE, GOUT,
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FREE FROM TASTE, SMELL OR
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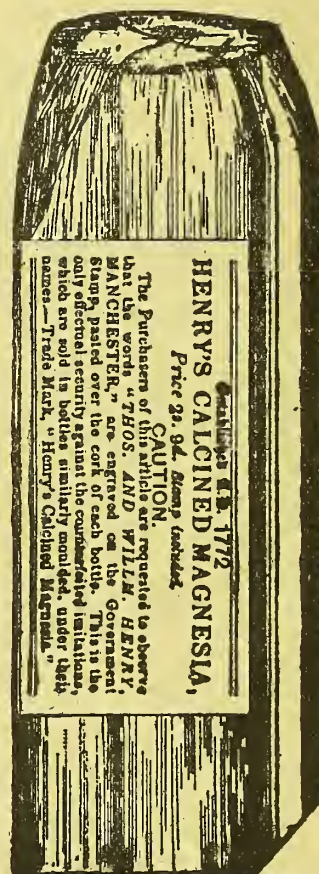
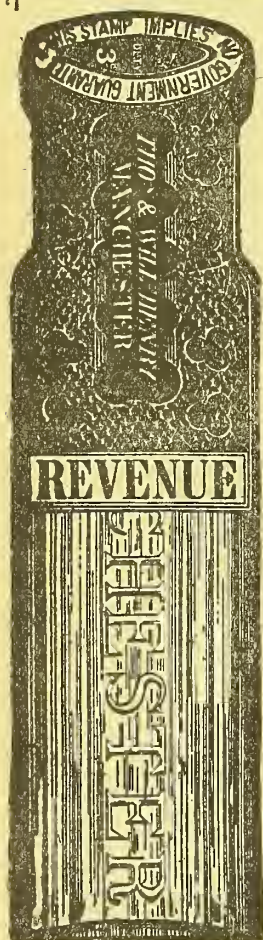
A Safe Aperient for the most delicate constitutions.

CHILDREN.

May be given to children in early infancy. The addition of a small quantity of the Magnesia prevents milk turning sour on the stomach.

MESSRS. THOMAS and WILLIAM HENRY of Manchester, England, beg to inform the Trade generally that they continue to manufacture their old-established 'CALCINED MAGNESIA' in the Greatest Chemical Purity, and also wish to warn Buyers against the numerous spurious and very inferior imitations offered in various foreign countries.

For the guidance of the Trade they submit facsimiles of their Bottle, wrapped and unwrapped.



THE LABELS CAN BE HAD IN ENGLISH, SPANISH, PORTUGUESE, OR ITALIAN.

Messrs. HENRY will be pleased to hear from Merchants who are suspicious of any Stock in their possession.

THE MAGNESIA MAY BE HAD THROUGH ALL WHOLESALE HOUSES.

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Unsurpassed as a Pharmaceutical Product for Toilet use.

**THE ORIGINAL
ALL - BRITISH
PREPARATION**



Soothing and Healing.
An Ideal Toilet Preparation
for the Skin.
Unscented or Delicately
Scented.

**FROM PURE, GENUINE
WOOL FAT.**

- 1 oz. tubes - 4/6 per dozen.
Cartons 6d. per dozen extra.
- 2 oz. tubes - 8/9 per dozen.
Cartons 9d. per dozen extra.

Or in White Glass Pots with Aluminium Screw Caps, 4/6 per dozen.

Own name labels on 3 dozen.

Samples for clients' customers supplied gratis with $\frac{1}{2}$ -gross orders.

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“L” Brand LYSOL.



“L” Brand LYSOL.

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MARSHALL'S LYSOL TOILET SOAP -	4½d. Tablets
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MARSHALL'S LYSOL BATH SOAP -	9d. „
MARSHALL'S SHAVING STICKS -	6d. & 1/- sizes
LYSOL SHAMPOO POWDERS (8 in carton) -	1/- cartons
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BETALYSOL—VETERINARY LYSOL - -	—
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Telegrams: "LYSOLANT, STRAT, LONDON."

ZEE-KOL News

Published in the Interests of the Chemist and the Public he serves.

THE CHEMISTS' PROBLEM

is like that of the Dentist. About 999 out of every 1000 persons visit the latter under more or less painful compulsion. He is the most successful Chemist or Dentist who can induce the Public to visit him without compulsion.

The most successful Chemists and Dentists attract the bulk of their patronage by "Service." The Chemist who obliges with a postage stamp has the right idea, especially if he renders this small and seemingly unprofitable service with a right good will that places the visitor under a pleasing obligation.

How is it that some Chemists sell 3 dozen tins of Zee-Kol Skin Ointment where others sell none, or only a solitary tin?

Which is the more profitable—the none, or one, or the 3 dozen?

The "Service Idea" Chemist makes more sales and profits because he makes it his pleasure and profit to know the merits of the articles he can offer to the Public.

The "other" Chemist hands over just what he is asked for, like an automatic machine, and perhaps with a bad grace, or a disparaging or negative remark. If he is asked: "What is good for Eczema?" he places all the different articles he has in stock before his bewildered enquirer with some such remark as: "Oh! they are all much alike." Or, if he has a put-up preparation of his own—the only proprietorial portion of which is his own name printed on the label—"free with a gross order"—he is content to sell it without any real knowledge of its merits or demerits.

INVITATION OFFER TO CHEMISTS!

The Zee-Kol Mfg. Co. know well the superior merits of Zee-Kol. They know that many Chemists do not know what they know, so they will gladly send a 1/3 tin free of charge for trial purposes.

The Chemist accepting this offer need not assume any personal responsibility. He can either sell or give it to some poor person with the non-committal explanation of: "I have had this sent to me as a Free Trial Supply. You are welcome to try it free. If it proves as good as the makers say, both you and I will be pleased. I shall be pleased because I can then recommend it to other sufferers in need of a really good Skin Cure."

LOOK AT ALL THESE CHANCES OF SALES OF ZEE-KOL.

Think of the wide field of sales of Zee-Kol to persons suffering from all the following skin troubles:

PIMPLES
BLACKHEADS
RASHES
CUTS
BURNS
SCALDS
CHILBLAINS
RINGWORM
BARBER'S RASH
NETTLE RASH
VARICOSE VEINS

PEELING OF SKIN
HERPES
CORDS
SORE BREASTS
SORE THROAT
ECZEMA
ERUPTIONS
BOILS
ULCERS
CARBUNCLES
BAD LEGS

PILES
ABSCESSSES
CHAPPED HANDS
DISCHARGING PARTS
ITCHING
SORES OF ALL KINDS
DANDRUFF
BED SORES
ERYSIPELAS
SORE FEET

All these are relieved or cured by the application of Zee-Kol, and your recommendation of this medically approved scientific preparation will add to your personal and business goodwill and profit with the public.

YOU CAN ORDER ANY QUANTITY of Zee-Kol from your Wholesale House, or direct. No delay, no fuss or bother. Include a 1/3, 1/2, or 1 dozen order on your next wholesale requisition. But that's not quite all. First show and mention Zee-Kol where and when you can.

YOU WILL GET REPEAT AND NEW RECOMMENDED ORDERS

if you will carry out the foregoing suggestions. Thus you can easily build up a nice ever-growing sale for Zee-Kol, and so increase your sale and profits, and

THE PROFIT IS ALL RIGHT.

The 1/3 tins of Zee-Kol are supplied through your Wholesaler at 12/- per dozen, and the 3/- tins at 28/6 per doz. rate. The tins are not heavy if you pay carriage on your parcels, nor are they so large as to be an item of consideration if your shop is heavily rented, and



Each Zee-Kol customer comes again and again and recommends other customers.

THE FOLLOWING WHOLESALE HOUSES SUPPLY ZEE-KOL,

but you can order it through any other Wholesale House not mentioned in this list:

Sangers, London
May, Roberts & Co., Ltd., London
Butler & Crispe, London
Wm. Edwards & Son, London
Barclay & Sons, Ltd., London
W. Sutton & Co., London
Francis Newbery & Sons, London
Jas. Woolley, Sons & Co., Ltd., Manchester
Evans Sons Lescher & Webb, Ltd., Liverpool

Ayrton, Saunders & Co., Liverpool
Bleasdale, Ltd., York
Raines & Co., York
Evans, Gadd & Co., Ltd., Exeter
Raines, Clarke & Co., Edinburgh
W. & R. Hatrick & Co., Glasgow
W. Patterson & Son, Aberdeen
Thomas McMullan & Co., Belfast
J. & J. Haslett, Belfast
Haynes, Coningham & Robinson, Ltd., Dublin

If you have trouble of any kind in regard to supply, write direct to

THE ZEE-KOL MFG. CO.,
39 Mitchell Street, Old Street, London, E.C.1.
Every tin of Zee-Kol sold leads to other sales of the Zee-Kol preparations, Zee-Kol Blood and Tonic Pills and Zee-Kol Medicated Soap.

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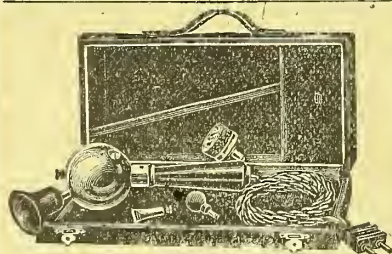
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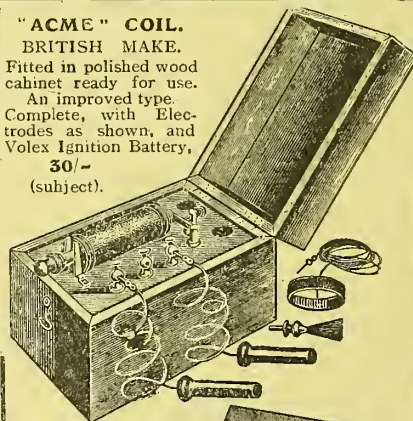
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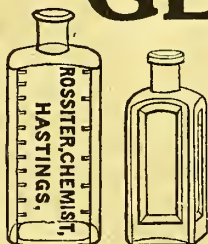
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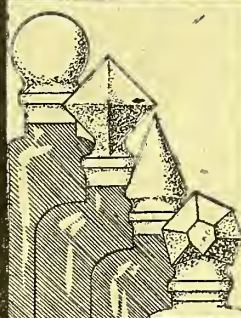
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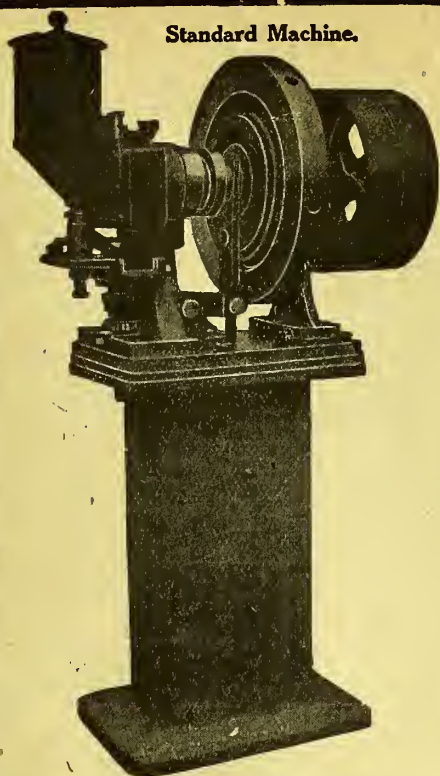
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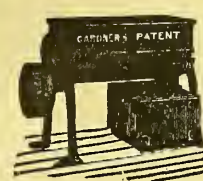
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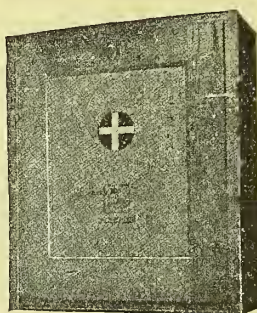
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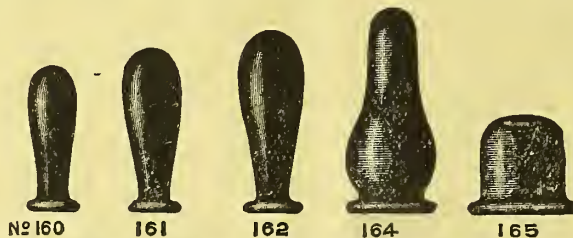
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10" x 14"	7/3	10/10
10" x 16"	7/9	11/8
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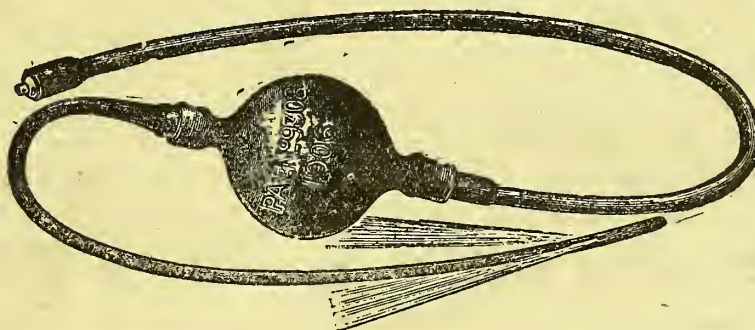
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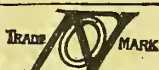
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145 Wool Exchange, COLEMAN STREET, LONDON, E.C. 1.

FINE & HEAVY CHEMICALS.

Paris—Lyons—Montpellier. Laboratory: Hayes, Middlesex.

INQUIRIES INVITED.

Van Horn and Sawtell

—LONDON AND NEW YORK—

MAKERS OF

"K-Y" LUBRICATING JELLY

IN COLLAPSIBLE TUBES AND OF

"Van Horn" Sterile Sutures and Ligatures

IN GLASS TUBES — PRICES ON APPLICATION

51-53 HIGH HOLBORN, W.C.

J. W. PINDAR & CO. Druggists' Engineers.

PILL MACHINERY (Hand & Power).

Hand Pill Machines (for Chemists), Tablet Sugar Coaters (with Hot-Air Blowers), Pill Coaters, Counters with Shoot, Tincture Presses, Emulsifying and Mixing Machines, Perculators, Ointment Mills, Drug Mills, "Eternite" Ovens, &c.

Other Machinery for Manufacturing Druggists and Chemists.

BROCKLEY, LONDON, S.E.

Telephone:
New Cross 1066.*Lepto*advertised 9d. P.A.T.A. 9d.
5/3 dozen.WOULD you like a show that incurred no
risk and sold this line NOW? That's the
interesting proposition we should like to tell
you about if we may.

CHRISTYS, OLD SWAN LANE, E.C.



**Winter
warmth**
Sufferers from
varicose veins
find relief in
**NORWICH
CREPE
BANDAGE**

Superior English Manufacture.
Extremely elastic, but contains no
rubber. Fast Woven Edges.

Invaluable for binding. Displaces rubber
and elastic web. More durable and one-
third the cost. The Norwich Crepe Band-
age, containing wool, provide warmth and
do not absorb grease readily. Self-clinging
and self-adjusting. Perfectly clean-ed,
sterilised, and resiliency entirely restored
by washing in hot soft water (with addition
of a little soap). The edges will not fray out nor
ravel. Supplied only through the leading wholesale houses, neatly
wrapped in labelled packages. Commended by the medical & nursing
professions. Send for prices and samples to the sole manufacturers:

The NORWICH CRAPE CO. (1856) Ltd.
St. Augustine's Silk Mills, NORWICH, ENG.

Provincial
Selling Agents:
**Freese & Moon
Ltd.,**
59 Bermondsey
Street,
London, S.E. 1



London buyers
can obtain sam-
ples and prices
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Eastaway, Lon-
don Representa-
tive, 7 Wool
Exchange, E.C. 3

WHOLESALE Established
ONLY. 1901.
MANUFACTURERS OF

Surgical Dressings,
Absorbent Lints, Bandages,
Cotton Wools, Gauzes, &c.

Samples and prices on application.

VERNON & CO., Ltd., Penwortham Mills **PRESTON.**
Also 9 Fore Street Avenue, LONDON, E.C.
Branch Works: Waterfold Mills, Heap Bridge, BURY.

**MEDICAL
DISPENSING BOTTLES.**

T. FERRY & SON, Ltd.
PARK LANE GLASS WORKS,
GATESHEAD - ON - TYNE.


Telegrams:
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70 GATESHEAD.

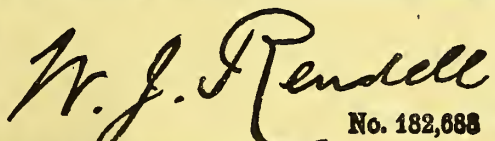
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SOLUBLE QUININE PESSARIES.



THE WORLD-WIDE REPUTATION that these Pessaries have obtained since their invention by W. J. Rendell in 1885 has induced unscrupulous persons to place upon the market worthless and injurious compounds, with colourable imitations of W. J. Rendell's labels. To distinguish the genuine Pessaries from these fraudulent concoctions, see that the Registered Trade Mark and Number, in **RED INK,** are upon each box thus:

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none are genuine.
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Registered also in Australia, India, The Cape, The Argentine, Germany, &c.

IMPORTANT NOTICE AND CAUTION.

Several injunctions in the High Court of Justice having already been obtained (reports of which have appeared in "THE CHEMIST AND DRUGGIST"), W. J. RENDELL'S SOLICITORS are instructed to take proceedings against all persons (Makers or Vendors) fraudulently using the name of W. J. RENDELL, "RENDELL," or any colourable imitation thereof in connection with Pessaries NOT manufactured by

W. J. RENDELL,
INVENTOR AND SOLE MAKER,
15 CHADWELL STREET, CLERKENWELL, LONDON, E.C.

May, Roberts' Traveller.

4023 CITY.

MARCH 30, 1918.

LONDON & DUBLIN.

THE TRENCH PEST.

The task of combating the plague of body parasites necessarily engendered by the conditions of Trench Warfare has engaged the attention of chemists throughout Europe.

THE SUMMER "TRENCHMAN" BELT

is the most efficacious means which has been found of dealing with the problem, as it possesses all the strong points and none of the drawbacks associated with earlier attempts.

It is absolutely dry, and, not being sticky, does not soil or stain the body or clothing.

In contact with the heat and moisture of the body a gas is evolved which is not only fatal to all forms of body vermin already established, but also prevents others finding a lodgment.

It is immediately adjusted, and being only 2½ inches wide and weighing only 2 oz., the wearer is not inconvenienced in any way.

If you do not already stock the Summer "Trenchman" Belt, now is the time to send your order, the summer being the season when the belts are most needed.

SUMMER "TRENCHMAN" ANTI-VERMIN BELTS in the making.



THE FINISHED ARTICLE.



7/6 per dozen.

5% discount.

MAY, ROBERTS & CO., Ltd. 7/13 Clerkenwell Road,
LONDON, E.C. 1.

And at 16 WESTMORELAND STREET, DUBLIN.

THE CHEMIST & DRUGGIST SUPPLEMENT.

OFFICE: 42 CANNON STREET, E.C.

SATURDAY, MARCH 30, 1918

This Supplement is Inserted in every number of The Chemist and Druggist.

TO ADVERTISERS IN THIS SUPPLEMENT.

The Publisher desires to make it clear that advertisements of Businesses for Disposal and Wanted, Situations Open and Wanted, Exchange Column, &c., **MUST BE PREPAID** (except in the case of serial advertisers), and to ensure prompt insertion **REMITTANCES MUST ACCOMPANY INSTRUCTIONS.**

Advertisements for the current issue cannot be received after first post on Thursday in each week. If it is necessary to telephone or telegraph an urgent announcement this may be done.

PROVIDED the MONEY is TELEGRAPHED

at the same time and the fact made clear that the money order is to be delivered at 42 CANNON STREET, LONDON, E.C.4. Advertisers will assist greatly in the preparation and quick despatch of the Supplement by making careful note of these rules. Telephone: No. 3617 Central (3 lines). Telegraphic Address: "Chemicus.Cannon.London." (Three words counted as two.)

EARLIER CLOSING FOR PRESS.

WILL intending Advertisers please note that until further notice all Advertisements for THE CHEMIST AND DRUGGIST SUPPLEMENT must be in the Publisher's hands not later than

FIRST POST THURSDAY MORNING,

to be available for the issue published in that particular week. Owing to restricted postal deliveries it is advisable to *post* all communications on the Tuesday preceding the date of issue. Advertisements received after the time indicated will be inserted in the following week's issue.

CHEMISTS' TRANSFERS.

Messrs. ORRIDGE & CO., 56 Ludgate Hill, E.C.

Telephone Number: City 2283

May be consulted at their Offices on matters of **SALE, PURCHASE, and VALUATION.**

1.—**BANKS OF THE THAMES.**—Retail and Dispensing Business, situate in main thoroughfare of favourite residential locality; returns between £1,850 and £1,900; *net profit* £515; price £850; full investigation invited.

2.—**NORTHERN SUBURB.**—Good-class Business; excellent situation; returns, under Manager, between £1,100 and £1,200; gross profit £446, and net £300; attractive, well-fitted shop, with comfortable residence; vendor's own property; new lease; very little opposition; price £450, or simply valuation of stock and fixtures.

3.—**KENT (Suburban).**—Good middle-class Retail and Dispensing Business; returns, under Manager, exceed £1,400; *net profit* £360; books audited by an Accountant and Stock taken annually; price £750, to include £90 book debts; part payment would be considered.

4.—**LONDON, S.W.**—For immediate disposal, Drug Stores; conducted under unqualified management; excellent opening for Chemist; returns, present rate, about £17 per week; comfortable residence, with small garden; rent £52; sublet £16; price £200.

5.—**FINSBURY PARK (near).**—Cash Retail Business and own Proprietaries; position is exceptionally good, and the returns can be much increased; present rate about £1,200; owing to a breakdown in health an immediate sale must be effected; terms, valuation of stock and fixtures.

6.—**LONDON, N.E.**—Cash Retail Business; returns £500; scope for extension under energetic management; rent £45; good residence; no near opposition; price £400.

7.—**CITY (15 minutes from).**—Established Business; Retail, Prescribing, and N.H.I. Dispensing; returns last year £1,000; *net profit*, after paying every expense, £386; proof given; large shop, with comfortable residence and private entrance; rent £50 yearly; price £600.

8.—**SOUTHERN COUNTY.**—Very old-established Business, situate in busy shopping thoroughfare, and producing a net income of about £700 per annum; further details on application.

9.—**EPPING FOREST (near).**—Good middle-class Business, chiefly ready money; returns, present rate, exceed £800; profits above the average; comfortable residence, with large garden; rent £25; no near opposition; price £500 or near offer.

10.—**SOUTH COAST (Death Vacancy).**—Ready-money Business; no near opposition; returns last year £900 at fair prices; to effect a speedy transfer about £450 would be accepted, part payment.

11.—**FOR DISPOSAL,** well-known Proprietary Business, which has been established upwards of 100 years; gross receipts average £2,750, and the *net profit*, £775; price, to include goodwill, stock, plant, and book debts, £3,000.

12.—**HANTS (Seaport).**—Established Business, Retail, Dispensing and Prescribing; returns £500 at good prices, practically no patents being sold; rent £30 per annum; price about £250.

13.—**MIDDLESEX.**—Retail and Dispensing Business, situate in growing neighbourhood; returns exceed £500 yearly; corner shop, situate in close proximity to railway station; price about £300.

14.—**HOME COUNTY.**—Very old-established Business; position good; returns last year £949; *net profit* £240; roomy shop, fitted in mahogany; rent £42 10s., which includes comfortable residence and garden; terms, valuation of stock and fixtures.

VALUATIONS FOR STOCKTAKING.

Messrs. O. & Co. desire to emphasize the necessity of a Periodical Statement of Account, by which means alone **Profit, the value of Business, &c.**, can be determined. Involving as this does the labour of Stocktaking and Valuation, it is often omitted, and eventually becomes the cause of **confusion and loss.**

Messrs. O. & Co. are prepared to undertake these essential duties, and will make **Special Terms** for such services.

ORRIDGE & CO., 56 LUDGATE HILL, LONDON, E.C.

BERDOE & FISH

VALUERS & TRANSFER AGENTS,

35 Jewry Street, Fenchurch Street, E.C.3.

Telephone: 1809 CENTRAL.

NO CHARGE TO PURCHASERS.

1.—SOUTH COAST.—First-class Retail and Dispensing Business, in splendid position; same hands many years, retiring; returns approach £900; stands to do £1,500 easily; price simply valuation, or first reasonable offer.

2.—HERTS (Market Town).—Most desirable Light Country Retail; easily worked; returns about £900; good profits; good house, bathroom, etc.; very best position; well stocked; price for prompt sale, £400, or near offer.

3.—LEICESTERSHIRE.—Sound Cash Drug Store in small town; returns average £630; net profit £200; good house and Pharmacy, well stocked; price £300 or valuation.

4.—NORTH WALES COAST.—Unopposed, sound Light Retail, returning £700; net profit £250; up-to-date Pharmacy, well-fitted and stocked; price £300 or valuation.

5.—WEST END.—High-class Dispensing business in prominent position; returns average over £2,000; net profit £620; excellent chance for two smart men; price for quick sale £950, or small goodwill and valuation.

6.—LONDON, S.W. (Good Residential Suburb).—Sound, progressive good-class Business; returning over £1,900; main road position; good residence; attractive Pharmacy; well stocked; price for quick sale £500; only requires seeing.

7.—ESSEX (Suburb).—Cash Drug Stores, returning £17 to £18 a week under unqualified; clear net profit £7 a week; low rent; modern shop, well stocked; price £75 and valuation.

8.—LONDON SUBURB, S.E.—Cash Drug Stores, in good position; plenty of scope; returns £500; net profit £220; books properly kept; low rent; corner shop; good house; well stocked; price £250.

STOCKTAKINGS.

We are now booking stocktakings for May, and are open to undertake one or two large ones during that month. Appointments should be made early to avoid dates clashing. Terms sent on application.

BUSINESSES FOR DISPOSAL.

3s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid.

The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 6d.

Price-lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

EDINBURGH: 19 GRASSMARKET.—Dispensing and Agricultural; N.H.I.; established 1797; returns about £1,000; health reasons for disposal; offers. Stall 102, Corn Market.

LONDON, N.—Good residential suburb, unopposed Business, doing £25 a week under management; scope for increase; convenient corner premises; £500 or near offer. Apply 79/17, Office of this Paper.

SOUTH-WESTERN COUNTY.—Splendid bargain; large double-fronted Pharmacy; proprietor (a bachelor) in Army; returns under his management over £1,500; neglected under Managers; fine position in main street of good market town; population over 10,000, and only two other Chemists; sacrifice for quick sale, £550; stock alone recently valued at £900. Apply 78/24, Office of this Paper.

LIGHT Retail and Dispensing Business, returning nearly £1,200 at profits above average; books properly kept and strict investigation courted. Apply "Alpha" (76/9), Office of this Paper.

FOR SALE.

FOR Sale, about 200 gross Vial Corks; size 3 centimetres by 1½ in. Offers to F. Terry, 1 Manchester Road, Bradford.

FOR Sale, old-fashioned Dental Chair; may be seen at 13 Livery Street, Birmingham. Apply F. D. Speacer, Chemist, Stratford-on-Avon.

TURNWOOD Pill Boxes to hold eighteen; 50 gross at 4s. 9d. per gross, carriage paid. Midgley, 5 Mayes Street, Manchester.

BUSINESSES WANTED.

A GOOD middle-class country town Business, South of Thames or South Coast; situation bracing; roomy, convenient business premises; turnover from £1,000 about, upwards; no objection to neglected concern, or little Dental or Optical. Please address "Chemicus," c/o Mr. Churchouse, Chemist, Sturminster Newton, Dorset.

SMALL Wholesale Business in London or district; would pay up to £2,500 for a thoroughly sound concern, which must stand every investigation. Reply "L. F." (37/44), Office of this Paper.

APPRENTICESHIPS.

APPRENTICESHIP.—Advertiser wishes to apprentice his nephew, a well-educated youth of 16, with good-class Chemist in Manchester district. Please apply, S. Liston, M.P.S., 280 Fulham Road, London, S.W. 10.

LEGAL.

IN the matter of A. S. Kent, lately trading as Leo Atkinson & Co., Chemists, 285 Brockley Road, London. Will Creditors who have a claim against the above-named in respect of goods supplied, prior to 30th January, 1918, kindly forward statement of account to Mr. Parkin S. Booth, Accountant to the Association of Manufacturing Chemists, Ltd., 32 Kimberley House, Holborn Viaduct, London, E.C. 1.

SITUATIONS OPEN.

3s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid.

The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 6d.

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RETAIL.

BALHAM.—Assistant (at once), ineligible, qualifications not so essential as good Counter and all-round experience; lady or gentleman; permanency; liberal terms. State salary to Mr. Cooper, Chemist, Ramsden Road, Balham, S.W. 12.

BARROW.—Smart, experienced young lady for quick Light Cash Retail; Dispensing and Photo trade taught. State wages expected, experience, references, to Benson, Chemist, Barrow, North Lancashire.

BIRMINGHAM.—Lady Assistant required (immediately) for progressive business, near the centre of the city; must be a good Dispenser. State salary required and when at liberty. "B. S." (79/404), Office of this Paper.

BIRMINGHAM.—Qualified Manager required for progressive business; state age, whether married, and salary required; prepared to grant a liberal interest in the profits to a capable man. "B. B." (79/401), Office of this Paper.

BIRMINGHAM.—Smart man, capable of taking charge of Buying Department, required immediately. Give full particulars as to age, experience, and salary required in first letter, "T. H. S." (79/40), Office of this Paper.

BIRMINGHAM (Moseley Road).—Young lady Assistant required for Light Retail and Dispensing business. Apply "Pharmacist" (79/3), Office of this Paper.

BLACKPOOL.—Assistant for good-class Retail and Photographic business; hours 8.30 to 8, Saturdays 9, part Sunday duty; qualified or unqualified. State experience, salary, references, and, if possible, photo, to Hall, Chemist.

BOURNEMOUTH.—G. E. Bridge & Company, Ltd., require an Assistant, principally for the Front Counter. Apply, with full particulars of experience, references, and salary required (outdoors), to W. E. Curtis, 128 Old Christchurch Road, Bournemouth.

BRIGHTON (Outdoors).—Competent Assistant wanted; duties mainly Dispensing, with some Counter work; hours 9-7.30, Wednesday 9-9, Thursday 9-1, Sunday duty (on alternate Sundays) 9-2 and 6-8. Apply, with full particulars as to experience, age, and salary required, enclosing photo, J. Colby & Co., 101 Western Road, Brighton.

CAMBRIDGE.—Wanted (at once), Locum (qualified) for a month. S. F. Barker, 46 Chesterton Road, Cambridge.

HULL.—Wanted, Assistant (outdoors); used to good-class Retail and Dispensing business. Send full particulars, age, reference, and salary required, S. T. Kirton, Chemist, 53 Savile Street, Hull.

LANCASHIRE.—Young lady, with a little experience of Counter work and Dispensing, required for Light Retail and Dispensing business; comfortable berth; progressive salary. "Lanos" (79/402), Office of this Paper.

LIVERPOOL.—Wanted, capable Assistant, male, ineligible, for a brisk city business. Apply, stating age, height, salary, and references, John Bain, 4 Quadrant, Lime Street, Liverpool.

LONDON.—Lady Dispenser required for end of April; must have good experience; easy hours. Apply H. A. Irwin, 2 Station Parade, Ealing Common, W.

LONDON, N.—Part-time qualified Assistant wanted for Thursday mornings and Friday afternoons; part or whole of Saturday desirable, but not essential. Apply 79/170, Office of this Paper.

LONDON, W.—Assistant required (outdoors) in a good-class Dispensing and Family Retail; unqualified; liberal and progressive salary to a suitable gentleman. Also lady Dispenser required, with some Counter experience, for Pharmacy in the S.W. district near Tube Station. State salary expected to "Optimist" (79/4), Office of this Paper.

SOUTH OF ENGLAND.—Assistant required (male or female); free removal; permanency with good salary. Timothy White Co., Ltd., Chemists, Portsmouth.

SURREY (not an air-raid district).—Young lady Assistant required; Dispensing and Light Retail; high-class business; permanency; apartments found. "Surrey" (79/400), Office of this Paper.

TORQUAY (near).—Assistance wanted in good-class Light Retail, Dispensing, and Photographic business; short hours could be arranged to suit applicant; a comfortable berth offered in congenial surroundings; must be capable of taking charge for short periods. Apply, with full particulars, to 80/5, Office of this Paper.

UPPINGHAM.—Competent Assistant (lady or gentleman) for good-class business; hours 8.30 to 7, Thursdays 8.30 to 1, Saturdays 8.30 to 8, close one hour mid-day, no Sunday duty; salary 50s. weekly; good references indispensable. Apply, with photo if possible and full particulars, to C. Bayley, Uppingham.

WORCESTER.—Qualified Assistant for Dispensing Counter (lady or gentleman); easy hours, no Sunday duty. Please state full particulars, salary (outdoors), to E. J. Kitson, City Drug Stores, Worcester.

A SMART Junior (lady or gentleman) for Counter; N.H.I. Dispensing; lady Assistant and Apprentice also employed, also Packer; outdoors; permanency to a suitable one. State full particulars of experience, age, etc., to Savage & Co., Pharmaceutical Chemists, Brighton.

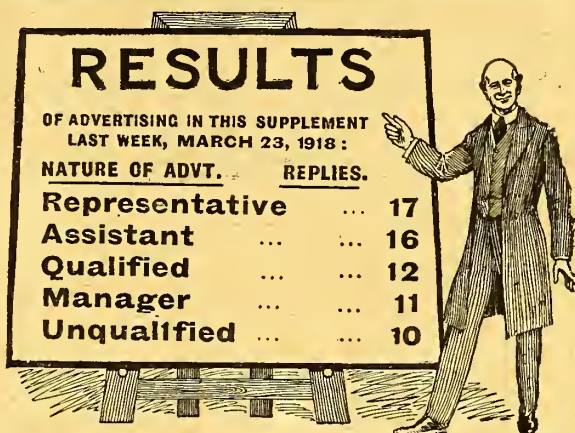
A LLEN & HANBURY, LTD., 37 Lombard Street, E.C., require an Assistant for the Retail department; also lady or gentleman with knowledge of Surgical Instruments. Apply "W. H. J."

A SSISTANT, male (second), wanted; unqualified; Counter work and N.H.I. Dispensing; hours from 9 to 8, Saturdays 9 p.m., alternate Sundays 6 to 8 p.m., close Thursdays 1 p.m. Apply by letter, stating age, references, and salary required, to J. Brooks, Pharmacist, 8 High Street North, East Ham, E. 6.

A SSISTANT for mixed country business; qualification not essential; knowledge of Photography preferred; outdoors; easy hours, no duty. State salary required, Randall & Son, Wareham.

A SSISTANT for Retail and Dispensing (N.H.I.); hours 9 to 8, one hour each dinner and tea; outdoors. E. W. Tristram, 335 Lea Bridge Road, Leyton.

A SSISTANT (ineligible for Army) wanted by Birmingham Wholesale and Retail Chemist; Wholesale duties chiefly; no N.H.I.; comfortable position, with good prospects, for energetic and trustworthy man. State age, experience, whether married, and salary required, first letter, Box No. 79/16.



The above demonstrates that Advertisers using these columns get a ready response to their announcements. The figures only refer to some of the letters RECEIVED AT OUR OFFICE on behalf of Advertisers who use a number or nom de plume.

TO SAVE TROUBLE.

MANY correspondents answering advertisements in this Supplement enclose remittances to cover the cost of forwarding their letters to advertisers who prefer to be addressed *c/o* this Office. The Publisher desires to make it clear that this is quite superfluous, and perhaps this reminder will obviate the necessity of the frequent return by him of such remittances.

ANSWER IN TERMS OF THE ADVERTISEMENT AND

REMEMBER you are one of possibly hundreds applying for the same position. Put your case before the advertiser so that he may be able to form a MENTAL PICTURE of your suitability.

BE BRIEF BUT CLEAR.—Millions of applications are consigned to the waste-paper basket UNCONSIDERED, because the reader cannot form this picture from the inadequacy of the materials set before him.

RETURNING PHOTOS, Etc.

Advertisers in this section who receive portraits and copies of testimonials from applicants with a stamped addressed envelope for reply are reminded that the undue retention of these often means a hardship to the sender. All personal documents should be returned as promptly as possible after perusal.

ASSISTANT; ineligible (not necessarily qualified); Counter and General help; knowledge of Photography preferred. State salary and give references, Pickering, Pharmaceutical Chemist, Bishop Auckland.

ASSISTANT wanted for good-class Dispensing business; must be ineligible for Army. State age, height, experience, reference, and salary required to A. E. Coverdale, George & Welch, Worcester.

JUNIOR Assistant (male or female) required immediately for Haslemere branch. Apply, stating experience and salary required (outdoors), to R. C. Harrison, The Pharmacy, Grayshott.

MANAGER required in riverside town, for good-class Retail, Dispensing, and Photographic business; must be a good Counterman and Prescriber, and understand the Agricultural side. Apply, with full particulars as to salary and experience, to Holme, Chemist, Wallingford, Berks.

MANAGER for good-class Retail and Dispensing business; good Dispensing and Counter experience essential; knowledge of Photographic apparatus, materials and processes preferred; ineligible for Army; on the West Coast; good prospects; lady applicant entertained. References, age, and full particulars to "Metol" (79/14), Office of this Paper.

MESSRS. TIMOTHY WHITE CO., LTD., Chemists, Portsmouth, require a capable Pharmacist (male or female); easy hours; good and progressive salary, with excellent prospects; free removal.

QUALIFIED, lady or gentleman, for small business in E.C. district. Apply, with full particulars, wages, etc., 78/30, Office of this Paper.

QUALIFIED young man, single and rejected or discharged, required immediately; permanency, with good prospects of advancement. Please state age, salary required, and when at liberty, "H. L." (79/403), Office of this Paper.

REQUIRED, first-class lady Assistant, preferably qualified, for good-class Retail business in Yorkshire; opportunities for exceptional experience, especially light hours. Apply 79/29, Office of this Paper.

UNQUALIFIED Assistant wanted to take in Prescriptions; knowledge of Dispensary work; over age no disqualification. Apply by letter, or personally before 12, Staff Manager, Harrod's, Ltd., 44 Hans Crescent, S.W.

UNQUALIFIED Assistance, with good-class Retail and Dispensing experience; ineligible for Army; trustworthy and reliable. Full particulars to J. R. Cave, Ltd., 52 Nevill Street, Southport.

VACANCY for an Apprentice, Mechanical Dentistry; small premium. Particulars, apply Edwards, 4 Staplehurst Road, Lewisham, London, S.E. 13.

WANTED for Doctor in Northern suburb, Dispenser-Bookkeeper; work light; no Sunday, Wednesday afternoon. Reply 76/37, Office of this Paper.

WANTED, qualified Branch Manager for Light country business; good salary. State experience, etc., Topping Bros., 31 Church Street, Preston.

WANTED, Assistant; outdoors. Apply, stating age, experience, and salary required, to L. Cameron, Pharmaceutical Chemist, Seaford, Sussex.

WANTED, capable energetic Manager, of good address, for good-class Dispensing business; large turnover; staff of eight; must have a good knowledge of Dentistry, Optics, and Photography; interest in, or succession to, entertained; liberal salary to the right man. Apply "S. B. K." (77/37), Office of this Paper.

WANTED, Manager, lady or gentleman, unqualified, to manage small Drug business in Balham district, immediately, or before end of month; could live on premises if desired. State salary required, references, etc., 80/20, Office of this Paper.

WANTED, qualified lady or gentleman (ineligible) to manage Branch; good hours; East Boldon, co. Durham. State salary, usual particulars, to C. H. Garbutt, Boldon Colliery, co. Durham.

WHOLESALE.

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ASSISTANTS and Counter Hands, male or female, required by Raimes & Co., Wholesale Druggists, York, in the Wet Room and all departments; discharged soldiers or other ineligible men, or females, all with knowledge of the trade. Apply as above, with full particulars, salary required, etc.

CHECKER required for Home Despatch Department. Evans Sons Lescher & Webb, Ltd., 60 Bartholomew Close, City.

DESPATCH Clerk and Checker; used to Drug Trade. Apply Potter & Clarke, Ltd., 60-64 Artillery Lane, Bishopsgate.

LABORATORY Assistant for manufacture of Toilet preparations; must have a good elementary knowledge of the Drug Trade, and be ineligible for H.M. Services. Write, stating age, experience (if any), and salary required, Walton, 4th Floor, 67 Bolsover Street, London, W. 1.

PERFUMER required; either a Frenchman or one who has had Continental experience. "G." (38/22), Office of this Paper.

QUALIFIED Pharmacist required to control manufacture of Proprietarys, Factory Staff, etc.; good position and prospects for man possessing real business ability and force of character equal to the demands of a rapidly expanding business. State age, experience, salary required, to 79/19, Office of this Paper.

R. A. CHIPPS & SON, Manufacturing Pharmacists and Wholesale Chemists, Hove, require the services of a thoroughly competent Analyst, an experienced Dry Room hand, and a reliable Packer. Applicants will please give details of experience, remuneration required, age, and references in first letter. Apply as above.

TRAVELLER in Druggist's Sundries and Surgical goods for well-known house in the Midlands; applicants must be ineligible for Military Service; should state age and previous experience. Apply 38/47, Office of this Paper.

WANTED for Lancashire Manufacturing Chemists, Laboratory Assistant for making Galenicals, etc.; must be ineligible for Army. State experience, wages required, to 78/17, Office of this Paper.

SITUATIONS OPEN.

(Colonial, Indian and Foreign.)

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MISCELLANEOUS.

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WANTED.

SMALL Ointment Mill; give size, etc. Critchley, Chemists, Blackburn.

TABLET-MAKING Machine wanted. Barton, 124 London Road, Manchester.

WANTED, Soap Tablet Press. State price, Smith, 6 Regent Street, Nottingham.

WANTED, Recipe for good Bleaching Soda (penny packets). Apply 77/3, Office of this Paper.

OL. Camphor. Essential; state quantity and lowest price. Apply 77/26, Office of this Paper.

V.P. Kodak, fitted with Goerz, Zeiss, Ross, or any other good lens. Hall, Chemist, Blackpool.

NEW or second-hand Carbonic Acid Gas Cylinder. Harrison, 41 Brook Street, C-on-M., Manchester.

DISPENSING Scales. State particulars and price, H. D. Field, Rawcliffe, London Road, East Grinstead.

CROTON Cake. State quantity, price, and enclose small sample, to "H. Y." (73/14), Office of this Paper.

WANTED, any quantity, any size, Phillips' Milk of Magnesia. Northway & Co., Ltd., 91 Great Tower Street, E.C. 3.

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FILLING Machine wanted to purchase. Full particulars and price to Chemist, 13A St. Paul's Avenue, Willesden, N.W. 2.

TABLET Machines (power) in good condition wanted (immediately). Send particulars and price, Martyn's Stores, Ltd., Wolverhampton.

WANTED, Radium Salt, pure or Residues, old Applicators, etc. Apply Harrison Glew, Radium Laboratories, 156 Clapham Road, S.W. 9.

OPTICAL books, Minor, Major, Chemists' books; send prepaid for valuation, cash offers per return. Gower, Bookseller, 41 Voltaire Road, Clapham, S.W.

JOB line Tins wanted, suitable for Boot Polish, etc. We are also buyers of Tin Plates, printed or plain. "Brytenup" Polish Works, Marsh Lane, Preston.

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WATSONS', The Camera House,
84 High Street, Sheffield.

French News.

(From the "C. & D." Paris Correspondent.)

MONSIEUR HENRI JOSEPH BOCQUILLON, who died recently at the age of sixty-one, was one of the best-known of Parisian pharmacists; under the style of Bocquillon-Limoasin (the latter being his wife's maiden name) he yearly published a "Formulary of New Medicaments." He started this work in 1838, very shortly after he had qualified, and it has appeared regularly ever since. The Formulary has been translated into Spanish and Italian. Besides his well-known Formulary, M. Bocquillon published a "Manual of Exotic and Colonial Medicinal Plants," and several smaller works on French Colonial productions, as well as a "Formulary of Antiseptics" (1893) and a "Formulary of Alkaloids" (1894). He was an "interne," or house pharmacist, of the Parisian hospitals thirty-five years ago (at the old Hôtel Dieu), and kept open shop at No. 2 bis Rue Blanche until ill-health compelled him to retire a few years ago. M. Bocquillon had been since 1886 a member of the Paris Society of Pharmacy. He died at his private residence in the Rue Pierre Curie, and the funeral service was held at St. Jacques-des-Hauts-Pas, which may almost be styled the parish church of the Latin Quarter. He was interred at Père-la-Chaise.

THE CULTIVATION OF MEDICINAL PLANTS.—In the *C. & D.*, April 7, 1917, we alluded to the scheme proposed by the Syndicat Général de la Droguerie for encouraging the collection of simples and the development of the industry of gathering and drying the medicinal plants of France. M. de Poumeyrol, the head of a Lyons wholesale herbal firm, took a leading part in launching this crusade. M. Boulanger then took up the matter, and published a report to which was appended a complete list of French medicinal plants, which he tabulated somewhat in this style:

Lycopodium clavatum (Lycopode à Massue). Lycopodiaceae.
Habitat—The Vosges mountains, Côte-d'Or, Auvergne and Centre, Alps and Pyrenees (also Russia).
Picking—In summer.
Melissa officinalis (Mélisse officinale). Labiæ.
Habitat—Woods and thickets in Corsica. Also found here and there in France, and even in the North, in vineyards and near dwellings.
Picking—June, August.

When the Syndicat met recently in Lyons the subject came up for discussion, and M. Joanin, who represented M. Boulanger (absent), said they all knew how at one time the market had been completely deprived of plants, and the point now was to decide how best to take action. Dr. Chevalier, who was the principal speaker, is an Army surgeon, attached to the Pharmacological Laboratory of the Faculty of Medicine at Paris. He is particularly competent to deal with the question, having worked for ten years with M. Fouché at Houdan, one of the most important medicinal-plant farms in France. Dr. Chevalier was not sanguine of the practical results of popularising the gathering of wild plants, owing to the inadequate botanical knowledge of the gatherers. If the trade in medicinal plants is to be carried on on its present basis, cheap labour is, above all, necessary. At the moment dealers are willing to pay a fair price. But for how long? Even if, after the war, German and Austrian competition are ruled out, he said there would be English, Italian, and Russian imports to compete against. The spasmodic collection of wild plants was not what was wanted, but a steady supply regulated according to market demands. Indications must be given to each district as to what plants were wanted, and in what quantities. Drying was not the simple matter some seemed to think. It required experience, and a drying-house was costly, he agreed. He could only suggest building one per district, and to do this a subvention would probably be necessary from the Ministry of Agriculture. Each drying-house would centralise local production, and be the organism with which the wholesale druggist would deal. But the interesting question was cultivation. Collected wild plants could never be sold at the rate of 1*l.* per cwt., as cultivated medicinal plants were before the war. Let the Professors of Agriculture study these plants as they did wheat and potatoes, and tell peasants how to grow them. In the discussion which followed the Chairman said the intervention of the State had fallen through on account of a change of Ministry. M. de Poumeyrol thought the authorities were not opposed to the general idea; they asked him to let them know roughly what were the quantities of plants imported before the war. This, Dr. Chevalier replied, it was impossible to find out, as the Customs statistics were too vague. The best way would be for the drug-trade to inform the Ministry interested as to what quantity of each plant they could annually absorb.

Colonial and Foreign News.

EXPROPRIATION OF SODA.—The Swedish Government has expropriated all supplies of commercial carbonate of soda in the country.

MANUFACTURE OF BONEBLACK.—New plant for the manufacture of boneblack, which is in great demand for sugar-refining, has been established at Shrewsbury, U.S.A.

EXTRAVAGANT PRESCRIBING.—An appeal has been issued in Holland requesting medical men to restrict the amount of medicine that they prescribe, as great waste is taking place.

CANADIAN LINSEED OIL.—The Medicine Hat, Alberta, linseed-oil mills have shipped several carloads of linseed oil to Australia, which is the first oil ever shipped from Canada to that country. This is the beginning of what may turn out to be a very important development. Formerly the oil used in Australia was obtained from England.

AMERICAN STORAX.—Analysis of the liquid storax produced from the abundant sweet (or red) gum trees of the South, and made from bark, twigs, and waste lumbering materials, shows it equal to that formerly imported, and much superior to the largely adulterated product now quoted at \$5.10 per lb. Normally liquid storax is worth 20c. per lb.

N.S.W. POISON BILL.—The Pharmacy Board of New South Wales recommend that the following clause be added to this Bill:

"The proprietor, manufacturer, importer, or agent of any patent medicine, or proprietary medicine, or ready-made medicine, or secret medicine containing a scheduled poison shall lodge with the Board a statement giving particulars of the name of the preparation, name of the poison, and the quantity or percentage contained therein."

PUBLIC LIGHTING COMMEMORATION.—A tablet has been erected on the premises of Magnus, Maybee & Reynard, Inc., essential-oil importers, etc., 257 Pearl Street, New York, to commemorate the opening of the first Edison central power station for electric lighting in 1882. The original structure has since been rebuilt for its present requirements, which include the manufacture and importation of chemicals, soap, and perfumery.

MADERO BROS., drug exporters, New York, have been forced into bankruptcy, the result, it was declared, of the arrest of D. L. Melic, chemical-department manager, who was charged with attempting to swindle Italian war hospitals by the substitution of salicylic acid for quinine (see *C. & D.*, March 16, p. 46). The firm's liabilities were said to be \$350,000, and its assets \$300,000. The petitioning creditors are the New York Consolidated Drug Co., Edward J. Barry, and Rockhill & Vietor.

CHEMICAL PRODUCTS IN URUGUAY.—The "Diario Oficial" of Uruguay publishes a decree which, as a provisional measure, prescribes that chemical and pharmaceutical products offered for importation into the Republic are to be subjected to official analysis before being released from the Customs. Products which are found, on analysis, not to conform to the standards of purity established by the official Pharmacopœia will be refused admission into Uruguay and must be re-exported within thirty days.

CAMPAIGN AGAINST NOSTRUMS.—In the medical advice column of certain Italian papers nostrums are openly recommended. A medico-pharmaceutical union uses equal publicity in trying to nullify the effect of such insidious advertisement, and issues a first manifesto from which the following is extracted: "Denounce the parasites fattening on your ailments! Some marvellous cures cause lockjaw. Some developers of virility produce paralysis. Some remedies for the skin, nerves, etc., poison the blood." A State Health Department is manifestly among future possibilities.

MAXIMUM PRICES FOR ALCOHOL.—The Hungarian Ministry of Finance has decreed that only refined alcohol may be used for the manufacture of distilled spirituous liquors and of drugs. Raw alcohol may be used only for the production of vinegar. The decree also fixes the maximum price at 2,000kr. per 100 litres for alcohol produced in the distilleries, subject to the consumption-tax. Of this, 315kr. falls to the producers, 25kr. is for refining, and 10kr. goes to the wholesale dealer. The remainder of 1,650kr., or in the case of imported alcohol, 1,560kr., goes to the State in the shape of Excise-duty. The "Pester Lloyd" states, in a special article on the subject, that the industry is the loser by the change, the addition to the selling-price being substantially below the increase in the cost of working. The new Ordinance bears all the characteristics of a commercial monopoly, and the duty available for the Exchequer in peace-time is estimated at 500,000,000kr.

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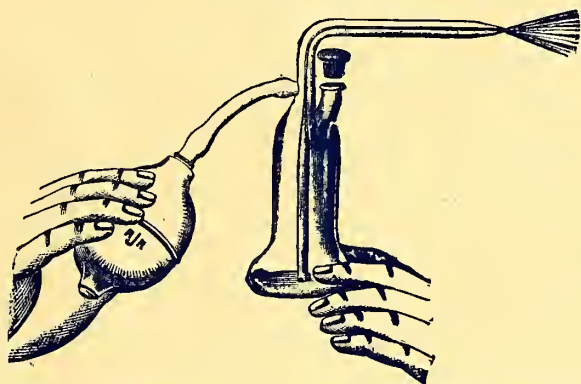
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To be used where a continuous
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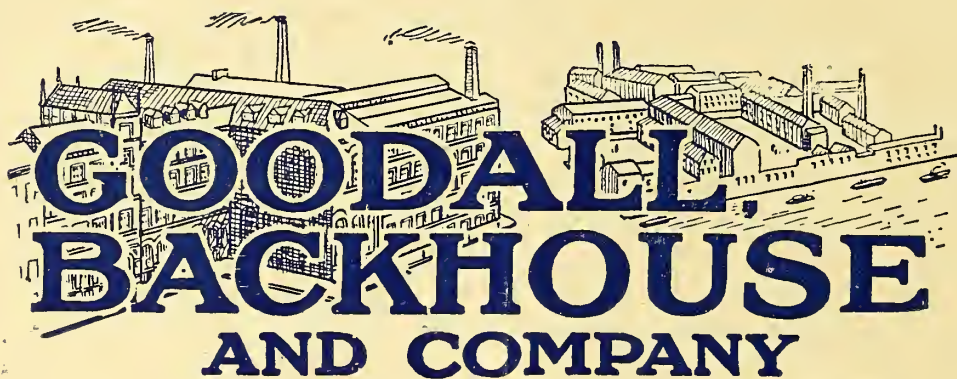
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The discharge tube is fixed to the base of the Spray. This greatly adds to their strength and enables the last drop to be vapourised.

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